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ABSTRACT

A companion publication to Telecommunications Technologies in the Home: An Introduction and Evaluative Review of the Literature with a Special Emphasis on the Instructional Use of the Technologies (Volume I), this report (Volume II) describes the information sources used to collect information for that literature review and presents abstracts of the relevant reports found. The purpose of the literature search was to locate recent articles, monographs, and unpublished studies in the area of telecommunications, technologies, and the home. Primary emphasis was on newer studies and especially unpublished studies. In most instances, the search ranged from 1970 to May 1983; however, for the periodical literature, the search was limited to the last three years. Most of the commercial sources were utilized in this review, especially the omnibus database, the DIALOG Information Service. The key concepts of the search were: instruction, education, learning, study, home, computer, microcomputer, personal computer, television, cable television, telecommunications, and technology. Sources consulted for the literature search included: National Technical Information Service (NTIS), Trade and Industry Index, Magazine Index, Social Scisearch, Microcomputer Index Database, Sociological Abstracts, ERIC Database, and Comprehensive Dissertation Abstracts. (JB)

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ED261673

TELECOMMUNICATIONS TECHNOLOGIES IN THE HOME: ABSTRACTS OF THE LITERATURE SEARCH

VOLUME II

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And
David J. LeRoy, Ph. D.

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[PMN TRAC]

PREPARED FOR

THE CORPORATION FOR PUBLIC BROADCASTING
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NATIONAL CENTER FOR EDUCATION STATISTICS
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FEBRUARY 1984

IR011835

PREFACE

The purpose of the literature search was to locate recent articles, monographs and unpublished studies in the area of telecommunications, technologies and the home. Primary emphasis was on newer studies and especially unpublished studies. In most instances the search ranged from 1970 to May 1983. For the periodical literature, such as magazines and newspapers, the search was limited to the last three years.

Most of the commercial sources were utilized in this review, especially the omnibus data base, the DIALOG Information Service. The key concepts of the search were: instruction, education, learning, study, home, computer, microcomputer, personal computer, television, cable television, telecommunications and technology. All variants of the concept or words stem were utilized along with all possible combinations between the concepts (e.g., home - computer, home - study). For the list of educational terms, self and individual were added to tap learning in an informal setting.

The table of contents displays the sources consulted for this literature search. On the page where each source section begins, a brief description of the data base is given.

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NATIONAL TECHNICAL INFORMATION SERVICE (NTIS) 1

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National Technical Information Service

The NTIS (National Technical Information Service) database consists of government-sponsored research, development, and engineering plus analyses prepared by federal agencies, their contractors or grantees. It is the means by which unclassified, publicly available, unlimited distribution reports are made available for sale from such agencies as NASA, DDC, DOE, HUD, DOT, Department of Commerce and other government agencies. NTIS includes material on technical applications, business procedures and regulatory matters. Many broad subject areas are represented such as pollution, energy, technology transfer, behavioral/societal problems, and urban and regional planning.

BEST COPY

[redacted]**escription and Findings of a Viewdata Test**

OCLC Online Computer Library Center, Inc., Dublin, OH.
Corp. Source Codes: 076139000
Apr 81 23p
Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210.
Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8313

A controlled user test of an experimental viewdata system, Channel 2000, was conducted by OCLC in Columbus, Ohio, to investigate technical, business, market, library, and social issues involved in electronic delivery of information using videotex technology. The three part report includes a review of various facets of new consumer electronic information services, details of the Channel 2000 project, and the findings and conclusions derived from this study of a system that transmits textual and graphic data from a host computer to modified television receivers in the user's households via commercial telephone or cable transmission facilities. Test planning and selection methods, training of users, descriptions of services and specialized features offered, and the equipment (including television adapters, computers, and software) are presented in detail, as are the research procedures concerned with sampling, data collection, and evaluation. Conclusions about viewdata are concerned with its form for the future, its socioeconomic influence, and its impact on libraries.

Descriptors: Formative evaluation; Futures(of Society); Information seeking; •Information services; •Library role; •Online systems; Socioeconomic influences; Technological advancement; Telecommunications; User satisfaction(Information); Use studies; Video equipment

Identifiers: OCLC; Videotext; Viewdata; NTISHEWERI

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 88B (Library and Information Sciences--Information Systems)

969880 PB83-803452

Microcomputers: Industrial Process Control Applications. July 1980-January 1983 (Citations from the Engineering Index Data Base)

National Technical Information Service, Springfield, VA.
Corp. Source Codes: 055665000
Mar 83 138p
Supersedes PB82-802331 and PB80-813413.
Languages: English Document Type: Bibliography
NTIS Prices: PC N01/MF N01
Country of Publication: United States
Journal Announcement: GRAI8312

Industrial applications of microcomputers to expedite processes are investigated in these reports gathered in a worldwide literature survey. Such diversified industries as pulp mills, rubber processing industry, chemical plants, metal fabrication plants, and machine shops are researched to ascertain the effectiveness of microcomputers as a process control tool. Comparative analyses of microcomputers and their control systems are made. (This updated bibliography contains 233 citations, 65 of which are new entries to the previous edition.)

Descriptors: •Microcomputers; •Process control; •Bibliographies; Computer programming; Microminiaturization; Automatic control; Production control; Abstracts

Identifiers: •Computer applications; Microprocessors; Computer aided manufacturing; NTISNTISI

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A• (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software); 94A• (Industrial and Mechanical Engineering--Production Planning and Process Controls)

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967198 PB83-164095
Electrotechnical Industry in the Light of the Rising Sun
Elektrotechnische Studievereniging, Delft (Netherlands).
Corp. Source Codes: 077167000
Jan 83 169p
Trans. of Electrotechniek in het Licht van de Rijzende Zon, n.p., 171p Apr 82. Prepared in cooperation with Elektrostechnische Studievereniging Thor, Eindhoven (Netherlands) and Elektrotechnische Studievereniging Scintilla, Enschede (Netherlands).
Languages: English Document Type: Translation
NTIS Prices: PC A08/MF A01
Country of Publication: Netherlands
Journal Announcement: GRAI8311

A detailed report and analysis of the Japanese electrotechnical industry is provided, based on data collected by a group of Dutch experts during a study trip to Japan. The first section summarizes the economic, sociological, and cultural circumstances necessary to explain and understand present developments in Japan. Particular attention is given to such facets as national character, the educational system, economic structure, and trade policy. A short historical outline of the Japanese electrical and electronics industry is followed by an overview of the present state of affairs. Emphasis is placed on quality control and management. Some specific sectors are then reviewed (e.g., the integrated circuit, computer, consumer electronics, and heavy electrical industries). The case of Hitachi is described as a representative example. Possible near-term future developments are discussed, particularly with regard to consumer electronics, VLSI, computers (the super computer, fifth-generation computers, software), production technology (computer-aided manufacturing, robots, flexible automation), heavy electricals, and telecommunications (including the Hi-Ovis project, data networks, terminals, and glass fibers). Finally, an overview is provided of Japan's strong and weak points.

Descriptors: *Japan; *Electronics industry; *Economic analysis; Computer systems hardware; Electric equipment; Education; Quality control; Management; Telecommunication; Integrated circuits; Data processing equipment; Technology assessment; Sociology; Marketing; Translations
Identifiers: Audio equipment; Video equipment; Industrial structure; NTISTFNTIS
Section Headings: 5C (Behavioral and Social Sciences--Economics); 9A (Electronics and Electrical Engineering--Components); 9B (Electronics and Electrical Engineering--Computers); 96G* (Business and Economics--Foreign Industry Development and Economics); 49GE (Electrotechnology--General); 62GE (Computers, Control, and Information Theory--General)

961492 N83-13585/5
Market Assessment of Photovoltaic Power Systems for Agricultural Applications Worldwide
(Final Report)
Cabraal, A. ; Delasanta, D. ; Rosen, J. ; Nolfi, J. ; Ulmer, R.
DHR, Inc., Washington, DC.
Corp. Source Codes: 073054000; DV488724
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Report No.: NAS 1.26:[illegible]541; DOE/NASA/0180-6; NASA-CR-165541
Nov 81 89p
Languages: English
NTIS Prices: PC A05/MF A01
Country of Publication: United States
Journal Announcement: GRAI8309; STAR2104
Contract No.: DEN3-180; DE-AI01-79ET-20485

Agricultural sector PV market assessments conducted in the Phillippines, Nigeria, Mexico, Morocco, and Colombia are extrapolated worldwide. The types of applications evaluated are those requiring less than 15 kW of power and operate in a stand alone mode. The major conclusions were as follows: PV will be competitive in applications requiring 2 to 3 kW of power prior to 1983; by 1986 PV system competitiveness will extend to applications requiring 4 to 6 kW of power, due to capital constraints, the private sector market may be restricted to applications requiring less than about 2 kW of power; the ultimate purchase of larger systems will be governments, either through direct purchase or loans from development banks. Though fragmented, a significant agriculture sector market for PV exists; however, the market for PV in telecommunications, signalling, rural services, and TV will be larger. Major market related factors influencing the potential for U.S. PV Sales are: lack of awareness; high first costs; shortage of long term capital; competition from German, French and Japanese companies who have government support; and low fuel prices in capital surplus countries. Strategies that may aid in overcoming some of these problems are: setting up of a trade association aimed at overcoming problems due to lack of awareness, innovative financing schemes such as lease arrangements, and designing products to match current user needs as opposed to attempting to change consumer behavior.

Descriptors: *Agriculture; *Developing nations; *Life cycle costs; *Market research; *Photovoltaic conversion; Economic development; Product development; Rural areas; Technology assessment
Identifiers: NTISNASA
Section Headings: 5C (Behavioral and Social Sciences--Economics); 10B (Energy Conversion (Non-propulsive)--Power Sources); 2B (Agriculture--Agricultural Economics); 96G (Business and Economics--Foreign Industry Development and Economics); 98B (Agriculture and Food--Agricultural Economics); 97O (Energy--Miscellaneous Energy Conversion and Storage); 97G (Energy--Policies, Regulations, and Studies)

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956954 DE82021248
Built-in Test Equipment (BITE) To Improve Front-End Loader Productivity. Second Topical Report
McDonnell Douglas Electronics Co., St. Charles, MO.
Corp. Source Codes: 047100000; 9504176
Sponsor: Department of Energy, Washington, DC.
Report No.: DOE/ET/14052-3
May 82 51p
Portions of document are illegible.
Languages: English
NTIS Prices: PC A04/MF A01
Country of Publication: United States
Journal Announcement: GRAI8308; NSA0700
Contract No.: AC22-80ET14052

This report describes the results of a total systems test of an equipment system being developed to improve the availability and productivity of large front end loaders used in surface mining operations. The equipment will be mounted on the front end loader and includes an operator display and keypad, a microcomputer, machine sensors and a signal conditioner. Safety and machine performance alerts are displayed to the operator and a report is printed for the maintenance shop. (ERA citation 07:062639)

Descriptors: *Surface mining; *Mining equipment; Design; Data acquisition systems; Microprocessors; Display devices; Productivity; Maintenance; Testing
Identifiers: ERDA/012000; ERDA/420206; NTISDE
Section Headings: 8I (Earth Sciences and Oceanography--Mining Engineering); 48A (Natural Resources and Earth Sciences--Mineral Industries)

955741 DE82016937
Market Assessment of Photovoltaic Power Systems for Agricultural Applications Worldwide
Cabraal, A. ; Delasanta, D. ; Rosen, J. ; Nolfi, J. ; Ulmer, R.
National Aeronautics and Space Administration, Cleveland, OH. Lewis Research Center.
Corp. Source Codes: 019039001; 4421000
Sponsor: DHR, Inc., Washington, DC.; ARD, Inc., Burlington, VT.; Department of Energy, Washington, DC.
Report No.: DOE/NASA/0180-6; NASA-CR-165541
Nov 81 88p
Portions of document are illegible.
Microfiche copies only.
Languages: English
NTIS Prices: MF A01
Country of Publication: United States
Journal Announcement: GRAI8308; NSA0700
Contract No.: AI01-76ET20485

This report integrates and extrapolates worldwide the results of the agricultural sector PV market assessments conducted in the Philippines, Nigeria, Mexico, Morocco, and Colombia. The types of applications evaluated are those requiring less than 15 kW of power and operate in a stand-alone mode. The study focused on the needs of low- and middle-income countries. The major conclusions derived from the studies were as follows: PV will be competitive in applications requiring 2 - 3 kW of power prior to 1983; by 1986 PV system competitiveness will extend to applications requiring 4 - 6 kW of power, due to capital constraints, the private sector market may be restricted to applications requiring less than about 2 kW of power; the ultimate purchase of larger systems will be governments, either through direct purchase or loans from development banks. Though fragmented, significant agriculture sector market for PV exists; however the market for PV in telecommunications, signalling, rural services, and TV will be larger. Major market-related factors influencing the potential for US PV sales are: lack of awareness; high first costs; shortage of long-term capital; competition from German, French and Japanese companies who have their governments support; and low fuel prices in capital surplus countries. Strategies that may aid in overcoming some of these problems are: setting up of a trade association aimed at overcoming problems due to lack of awareness, innovative financing schemes such as lease arrangements, and designing products to match current user needs as opposed to attempting to change consumer behavior. (ERA citation 07:046274)

Descriptors: *Photovoltaic power supplies; *Agriculture; Uses; Marketing research; Philippines; Nigeria; Mexico; Morocco; Colombia; Power range 1-10 kw; Cost; Capital; Competition; Financing; Design; Recommendations
Identifiers: ERDA/140600; ERDA/140300; ERDA/299001; NTISDE
Section Headings: 5C (Behavioral and Social Sciences--Economics); 10B (Energy Conversion (Non-propulsive)--Power Sources); 96C (Business and Economics--International Commerce, Marketing, and Economics); 97N (Energy--Solar Energy)

954155 PB83-145987

Samband mellan Fordonskostnader och Vaegstandardmatt: En Analys av Televerkets Fordonsregister (Relationship between Vehicle Costs and Measures Describing the Road Environment: An Investigation of a Vehicle Register Kept by the Swedish Telecommunication Administration)

Hammarstroem, Ulf ; Karlsson, Bo
Statens Vaeg- och Trafikinstitut, Linkoeping (Sweden).
Corp. Source Codes: 041613000
Report No.: VTI/MEDDELANDE-312
1982 57p
Also pub. in ISSN-0347-6049. Text in Swedish.
Languages: Swedish Document Type: Journal article
NTIS Prices: PC A04/MF A01
Country of Publication: Sweden
Journal Announcement: GRAI8307

A register kept by the Swedish Telecommunication Administration comprising vehicle costs, i.e. fuel, maintenance, repairs and tire wear, has been used when investigating the relationship between these costs and measures describing the road environment. The measures, representative for the home stations of the vehicles, included among other things the relative portion of vehicle mileage on surfaced roads and average journey speed. Statistical tests were performed to check if there existed linear correspondence between vehicle costs and road environment. The result of the analyze can be used when judging the importance of different measures describing road environment to the size of vehicle costs.

Descriptors: *Roads; *Vehicles; Cost analysis; Statistical analysis
Identifiers: NTISDOTE
Section Headings: 13B (Mechanical, Industrial, Civil, and Marine Engineering--Civil Engineering); 13F (Mechanical, Industrial, Civil, and Marine Engineering--Ground Transportation Equipment); 85D (Transportation--Transportation Safety); 85H (Transportation--Road Transportation); 50A (Civil Engineering--Highway Engineering)

952435 DE82005497

Configurational Testing of Electron Beam Ionization for Coal Fly Ash Precipitators. Quarterly Report No. 1, December 2, 1980-March 1, 1981

Davis, R. H.
Florida State Univ., Tallahassee. Dept. of Physics.
Corp. Source Codes: 010167012; 2495000
Sponsor: Department of Energy, Washington, DC.
Report No.: DOE/MC/16229-T1
1981 40p
Portions of document are illegible.
Languages: English
NTIS Prices: PC A03/MF A01
Country of Publication: United States
Journal Announcement: GRAI8307; NSA0700
Contract No.: AC21-81MC16229

Work on machine shop drawings for the electrostatic precipitator test system continued throughout this quarter in consultation with both government-supported and industrial laboratories. The blower fan and the filter were ordered. Specification of the components of the microcomputer data handling system was completed with special attention given to interface compatibility. Familiarity was gained with the cascade impactors in preparation for an in-stack monitor workshop in March and orders were placed for the optical particle counter and gas condition monitors. Experiments were restricted to those required to round out previous work in preparation for the Third Symposium on the Transfer and Utilization of Particulate Control Technology. Two analyses are summarized here: a calculation of zero energy loss electric field and a preliminary calculation of precharger transmission for a simple geometry. One publication was prepared for the Conference on Atomic and Nuclear Methods in Fossil Energy Research held in Mayaguez, Puerto Rico in December and this paper will appear in the proceedings. (ERA citation 07:047748)

Descriptors: *Electron beams; *Electrostatic precipitators; *Fly ash; Ionization; Coal; Research programs; Electrostatic separation; Design; Fabrication; Air pollution control
Identifiers: ERDA/424000; ERDA/010800; ERDA/200202; NTISDE
Section Headings: 13B (Mechanical, Industrial, Civil, and Marine Engineering--Civil Engineering); 68A (Environmental Pollution and Control--Air Pollution and Control)

945478 PB83-115725
The Development of Nigerian Industrial Economy and the Prospects for U.S. Investment and Business Partnership
Okere, Modestus ; Van Auken, Howard
Iowa State Univ., Ames.
Corp. Source Codes: 001712000
1982 38p
Languages: English
NTIS Prices: PC A03/MF A01
Country of Publication: United States
Journal Announcement: GRAI8304

This comprehensive study of the Nigerian economy will help a businessman understand the import and contract policies of the Nigerian government, and points out likely areas of investment opportunity. The paper reviews Nigerian loan borrowing, money supply, revenue, national development plans, budgets, oil industry, banking, industrial growth, steel, automobile production, textiles, cement, breweries, transport, economic growth, and agriculture. The report then builds on the above basic data in outlining investment opportunities for U.S. business, starting with the incentives Nigeria has offered to foreign firms to invest in Nigeria. Sections in this chapter are devoted to farming, construction, poultry and cattle feed operations, petrochemicals, telecommunications, education, health care, electricity, consumer goods, control of foreign exchange, effects of indiginization, Nigerian partnership policies, Nigerian and American bi-lateral talks on economic problems, and long- and short-term outlook for investments.

Descriptors: *Economic development; *Nigeria; *Investments; Revenue; Agriculture; Industries
Identifiers: *Industrial development; Developing country application; NTISAIDOST
Section Headings: 5C (Behavioral and Social Sciences--Economics); 96G (Business and Economics--Foreign Industry Development and Economics)

936710 PB82-259367
[redacted]
(Final rept.)
Bloch, Harry ; Wirth, Michael
Denver Univ., CO.
Corp. Source Codes: 007560000
Sponsor: National Science Foundation, Washington, DC. Office of Planning and Resources Management.
Report No.: NSF/SES-82001
[redacted]
Languages: English
NTIS Prices: PC A09/MF A01
Country of Publication: United States
Journal Announcement: GRAI8226
Contract No.: NSF-DAR79-24423

Results are presented of a study in which the demand function for per-channel pay cable services was estimated cross-sectionally using multivariate techniques. The theory underlying the demand for television programming when cable television is available to consumers is discussed. The mathematics of the demand model used in the analysis are detailed along with variable definitions and regression estimates of pay cable demand. Ways to simulate cable system profitability by making sure of the provided regression estimates and Federal Communications Commission-provided average cost and basic revenue data are considered. The implications of the demand results for the future of cable television are addressed and the need for further research into the economics of cable television is cited.

Descriptors: Demand(Economics); Mathematical models; Availability; Profits; Economic analysis
Identifiers: *Cable television; NTISNSFSES
Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45A (Communication--Policies, Regulations, and Studies)

930734 PB82-208232
Deregulation After Divestiture: The Effect of the AT and T Settlement on Competition
(Working paper series no. 8 (Final))
Kelley, Daniel
Federal Communications Commission, Washington, DC. Office of Plans and Policy.
Corp. Source Codes: 015427033
Apr 82 82p
Languages: English
NTIS Prices: PC A05/MF A01
Country of Publication: United States
Journal Announcement: GRAI8218

The study shows that the settlement of the United States Department of Justice antitrust suit against AT&T may ultimately justify deregulation of AT&T's long distance telephone services. Better terms of interconnection to local telephone networks for AT&T's competitors must be provided first. Deregulation could begin within five years, but should be phased-in since AT&T will have a large initial market share. Monopoly pricing of equipment and the new enhanced communications services is unlikely after deregulation. Deregulation will provide consumers benefits by reducing costs and by allowing AT&T the flexibility to respond rapidly to changing technology and customer needs. Competition will keep prices near costs and create additional incentives for innovation.

Descriptors: *Telecommunications; *Competition; Cost analysis; Legislation; Equipment; Services; Incentives
Identifiers: NTISFCC
Section Headings: 5C (Behavioral and Social Sciences--Economics); 96A* (Business and Economics--Domestic Commerce, Marketing, and Economics)

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930630 PB82-205006

Stationary Flywheel Energy Storage Systems (Stationare Schwungrad-Energiespeicher)

(Final rept.)

Gilhaus, A. ; Hau, E. ; Gassner, G. ; Huss, G. ; Schauberger, H.

Commission of the European Communities, Luxembourg.

Corp. Source Codes: 048489000

Report No.: EUR-7088-DE

c1981 164p

Text in German.

Customers in the European Community countries should apply to the Office for Official Publications of the European Communities, B.P. 1003, Luxembourg.

Languages: German

NTIS Prices: PC E07/MF E07

Country of Publication: Other

Journal Announcement: GRAI8218

The aim of this system study is to find out industrial applications of Stationary Flywheel Energy Accumulators. The economic value for the consumer and the effects on the power supply grid should be investigated. As to overall economy, compensation of short time maximum power out-put seems to be more favorable at the power stations. An additional possibility for energy storage by flywheels is given where otherwise lost energy can be used effectively, according to the successful brake energy storage in vehicles. Under this aspect the future use of flywheels in wind-power-plants seems to be promising. Attractive savings of energy can be obtained by introducing modern flywheel technology for emergency power supply units which are employed for instance in telecommunication systems. Especially the application for emergency power supply, in power stations and in combination with wind energy converters needs further investigation.

Descriptors: *Flywheels; Energy storage; Utilization

Identifiers: *Foreign technology; NTISTFEUR

Section Headings: 10C (Energy Conversion (Non-propulsive)---Energy Storage); 970 (Energy--Miscellaneous Energy Conversion and Storage)

930485 PB82-198714

An On-Line Method of Determing Tool Wear by Time-Domain Analysis

(Final rept.)

Yee, Kenneth W. ; Blomquist, Donald S.

National Bureau of Standards, Washington, DC.

Corp. Source Codes: 004692000

1982 6p

Pub. in Soc. Manuf. Tech. Paper MR82-901, 6p 1982.

Languages: English Document Type: Journal article

NTIS Prices: Not available NTIS

Country of Publication: United States

Journal Announcement: GRAI8218

A method for determining drill wear and predicting drill breakage has been implemented by applying time-domain analysis on a signal from an accelerometer mounted on the work-piece. This analysis is performed by a single-chip microcomputer. In 49 of 50 cases, the system predicted that the drill would fail 2 to 20 holes before actual failure of a 1-mm (0.04-inch) diameter drill used on a machining center with a 1.5-kW (20-horsepower) spindle motor and capable of 80,000 N (18,000 pounds) of downward force. This system is currently used by the Fabrication Technology Division in the National Bureau of Standards machine shops. More than 15,000 1-mm holes have been drilled with only a single drill failure, which occurred when the system was inadvertently disabled. Fifteen drills with worn or damaged cutting edges were detected. This device is a by-product of an effort at NBS to develop the theoretical basis and the experimental techniques to relate the finished dimensions of machined parts to the vibration signatures of the machine tool which manufactures the parts.

Descriptors: *Monitors; *Cutting tools; Drills; Wear; Automation; Failure; Predicitions; Microcomputers; Vibrational spectra; Spectrum signatures; Reprints

Identifiers: Computer aided manufacturing; Time domain analysis; Computer applications; NTISCOMNBS

Section Headings: 13I (Mechanical, Industrial, Civil, and Marine Engineering--Machinery and Tools); 9B (Electronics and Electrical Engineering--Computers); 94F (Industrial and Mechanical Engineering--Tooling, Machinery, and Tools); 94E (Industrial and Mechanical Engineering--Quality Control and Reliability)

928125 PB82-209826

National Growth Industries Research Project

(Final rept)

Cardinal Management Associates, Inc., Washington, DC.

Corp. Source Codes: 074341000

Sponsor: Minority Business Development Agency, Washington, DC.

Report No.: MBDA-81/3

Sep 81 434p

Languages: English

NTIS Prices: PC A19/MF A01

Country of Publication: United States

Journal Announcement: GRAI8219

Contract No.: DC-BE80SAC10372

The purpose of this report is to develop a method of identifying 'growth industries' in the economy. A list of industries evidencing high potential for minority business entry is developed, then analysis on these selected industries is made to describe industry practices, technology, marketing, and financing techniques. The growth industries selected are: (1) electronic computing hardware and software, (2) telecommunications hardware and home entertainment software, (3) hospital management and health care equipment, (4) robotics, (5) office equipment, (6) oil field services, (7) energy, (8) home and auto maintenance, and (9) calibration testing equipment. The report recommends a minority business development 'growth industry' policy of firm or technology specific entry with strategies designed specifically for firm/product market penetration and segment maintenance along with competent management assistance.

Descriptors: *Economic development; *Industries; Technology assessment; Marketing; Financing; Competition; Metal industry; Drug industry; Computers; Telecommunication

Identifiers: *Minority enterprises; Entrepreneurship; Solar industry; NTISCOMMBE

Section Headings: 5C (Behavioral and Social Sciences--Economics); 96E (Business and Economics--Minority Enterprises); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics); 43B (Problem Solving Information for State and Local Governments--Economic and Community Development)

923382 PB82-238130

Stationary Flywheel Energy Storage Systems

(Final rept.)

Gilhaus, A. ; Hau, E. ; Gassner, G. ; Huss, G. ; Schauberger, H.

Maschinenfabrik Augsburg-Nuernberg A.G., Munich (Germany, F.R.).

Corp. Source Codes: 056277000

Sponsor: Commission of the European Community Countries, Luxembourg.

Report No.: EUR-7088-DE

Jul 82 111p

Trans. of mono. Stationare Schwungrad-Energiespeicher, n.p., 1981.

Languages: English Document Type: Translation

NTIS Prices: PC A06/MF A01

Country of Publication: Germany, Federal Republic of

Journal Announcement: GRAI8221

Advance in materials, e.g. the development of high-strength fiber composite materials, today makes possible the building of flywheel storage systems with high energy storage densities. A report is given of a study intended to discover industrial applications of Stationary Flywheel Energy Accumulators. The economic value for the consumer and the effects on the power supply grid were investigated. Up to now, Stationary Flywheel Energy Accumulators have only had limited use. The main reason for thinking of the application in a wider range was the hope that they could be used economically for lowering the demanded maximum output of the power supply grid. The possible savings in energy costs however, have proved to be too small for recovering the investment costs. An additional possibility for energy storage by flywheels exists where energy otherwise lost can be used effectively is brake energy storage in vehicles. The future use of flywheels in wind power plants also seems to be promising. Attractive savings of energy can be obtained by introducing modern flywheel technology for emergency power supply units which are employed, for instance, in telecommunication systems.

Descriptors: *Flywheels; Energy storage; Composite materials ; Electric power; Wind power generation; Mathematical models; Technology assessment; Translations

Identifiers: *Foreign technology; NTISTFNTIS

Section Headings: 13I (Mechanical, Industrial, Civil, and Marine Engineering--Machinery and Tools); 10C (Energy Conversion (Non-propulsive)--Energy Storage); 94F (Industrial and Mechanical Engineering--Tooling, Machinery, and Tools); 97GE (Energy--General)

922394 PB82-225418

Competition and Consumer Advocacy: Policy Review Session

Federal Trade Commission, Washington, DC. Office of Policy and Evaluation.

Corp. Source Codes: 029180011
Report No.: FTC/OPE-82-02
25 May 82 93p
Languages: English
NTIS Prices: PC A05/MF A01
Country of Publication: United States
Journal Announcement: GRAI8221

The FTC's consumer advocacy role involves representing competition and consumer interests in the regulatory process. The aim of the current advocacy program is to organize the advocacy efforts of the FTC into a more structured framework that will allow more efficient use of available resources and will result in greater program responsiveness to the direction of the Commission. Five areas where the Commission has been active, where expertise has already been established, and further intervention efforts can be readily be made are discussed: transportation, health care, energy, international trade, and communications. The briefing book is intended to provide a basis for a well-defined program of competition and consumer advocacy, to suggest a procedural structure that will permit efficient and effective advocacy, and to consider options for possible future advocacy initiatives. The book's appendix contains a list of past interventions before other government agencies which illustrate the extent of the Commission's advocacy efforts between 1977 and 1982.

Descriptors: *Competition; *Consumer affairs; *Government policies; National government; Telecommunication; International trade; Energy; Transportation

Identifiers: *Federal Trade Commission; Health care; NTISFTC

Section Headings: 5C (Behavioral and Social Sciences--Economics); 5A (Behavioral and Social Sciences--Administration and Management); 96D (Business and Economics--Consumer Affairs); 70F (Administration and Management--Public Administration and Government)

[redacted]

Oct 80 9p

Paper presented at the National Conference on Computer Based Education, Bloomington, MN, October 23-25, 1980.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210.

Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8221

The revolution in computers begun in the mid 1950's will help education to meet the new challenges of the future generated by the predicted drastic declines in student enrollment and by changes in the types of learners served. Projects such as PLATO and TICCIT have proved that computers can provide useful and timely instruction for such learners as the disadvantaged, part-time adults, the handicapped, and school dropouts, groups which will comprise a large segment of the educational population in the future. Computers can present instruction in developmental skills at a variety of levels, as well as more complex models of simulation, inquiry, and dialogue. While the games industry has led in this direction, teachers themselves are now not only learning to program and develop courseware, but are also initiating regional and national resource networks for sharing materials. The computer can also provide instruction for the handicapped through special input and output devices designed to increase their communication skills. Increased use of computers in the home, as well as for instructional purposes, will result in increased motivation for all learners, especially those young people who are potential high school dropouts.

Descriptors: Adult education; *Computer assisted instruction; Disabilities; Disadvantaged youth; Dropouts; Elementary secondary education; Lifelong learning; Microcomputers; Nontraditional students; Postsecondary education; Technological advancement

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

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917330 DE82009517

Configurational Testing of Electron Beam Ionization for Coal Fly Ash Precipitators. Quarterly Report No. 2, March 2, 1981-June 1, 1981

Davis, R. H.
Florida State Univ., Tallahassee. Dept. of Physics.
Corp. Source Codes: 010167012; 2495000
Sponsor: Department of Energy, Washington, DC.
Report No.: DOE/MC/16229-T2
1981 27p
Languages: English
NTIS Prices: PC A03/MF A01
Country of Publication: United States
Journal Announcement: GRAI8222; NSA0000
Contract No.: AC21-81MC16229

Machine shop drawings for the electrostatic precipitator test system were completed and bid specifications were prepared during this quarter. The ordering of digital equipment for the microcomputer data handling system was essentially completed and the subsystems were tested as they were delivered by connecting them to a similar system housed in the Physics Department. The optical monitor system was delivered. The performance-effectiveness and cost-effectiveness of fluidized bed aerosol generation as a solution to the heavy dust load problem were assessed and a number of questions arised for subsequent investigation. Dr. Okihiro Tokunaga of the Japan Atomic Energy Research Institute arrived early during this quarter and gave a number of seminars on electron beam treatment of stack gas for the removal of SO sub 2 and NO/sub x/. Experiments were carried out to confirm the stability of the large ion current produced by secondary ionization while driving the test volume to the maximum current which existing power supplies can provide. Three analyses are summarized here: comparison of the field emission field limit for the charge on a particle with that calculated in the Mark I precharger model; transmission curves for electron beams at selected energies; and power vs. current from previous experiments.

Descriptors: *Electrostatic precipitators; *Flue gas; *Sulfur dioxide; *Nitrogen; Fluidized bed; Design; Ionization; Electron beams; Removal; Particulates; Fly ash; Air pollution control; Research programs; Electric conductivity; Desulfurization; Denitration

Identifiers: ERDA/200202; ERDA/010800; NTISDE

Section Headings: 13B (Mechanical, Industrial, Civil, and Marine Engineering--Civil Engineering); 68A (Environmental Pollution and Control--Air Pollution and Control)

909442 ED-196 431

School Microware: A Directory of Educational Software. Over 500 Programs/Packages for APPLE, PET, TRS-80

Dresden Associates, ME.
Corp. Source Codes: 074851000
Sep 80 52p

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210. Also available from Dresden Associates, P.O. Box 246, Dresden, ME 04342. (Subscription-$20.00/year, Directory Issue, September $14.00 plus $4.00/each update).

Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8216

This preliminary directory represents the offerings of 45 software suppliers and information about instructional software currently available for three microcomputers widely used in schools. It is geared towards a wide variety of users including school planners contemplating microcomputer acquisition, teachers planning courses and curricula, media center personnel, schools of education, and home computer users. The directory is organized as follows: (1) software description in sequence by school department, subject, and lowest grade level; (2) summary listings of software for individual hardware systems, in the same sequence as the first section; (3) an alphabetical listing of software suppliers and their addresses; and (4) a glossary of terms used. Software descriptions include the program name, department, subject, grade level range, program type, and functional description, as well as intended hardware system(s), source, and retail price. The summary listing contains only the program name, grade level range, functional description, and an identification number which refers back to the more complete entry in the first section.

Descriptors: *Computer assisted instruction; Computer managed instruction; Computer oriented programs; Computer programs; Directories; Educational innovation; *Educational media; Elementary secondary education; Media selection; Microcomputers

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 9B (Electronics and Electrical Engineering--Computers); 92D (Behavior and Society--Education, Law, and Humanities)

[redacted]
(Final rept. 1 Mar 80-Jul 81)
Warner, Paul D. ; Clearfield, Frank
Kentucky Univ., Lexington.
Corp. Source Codes: 011061000
Sponsor: Department of Agriculture, Washington, DC.
Jan 82 198p
See also PB82-190281. Sponsored in part by Department of Agriculture, Washington, DC.
Languages: English
NTIS Prices: PC A09/MF A01
Country of Publication: United States
Journal Announcement: GRAI8215

Green Thumb (GT) was a test of an information retrieval system that was designed to provide farmers with weather and other agricultural production and market information in a timely and convenient manner. Video-text users were linked to the GT computer at the University of Kentucky via county Cooperative Extension computers, telephone lines and home TV sets. The 200 farm families in the GT experiment used key pad home computer terminals to retrieve selectively specific frames of information they wished to view. The experiment was conducted from March 1980 to July 1981. The evaluation focuses on organizational and technical performance of the GT project, and on analyses of computer records of user retrievals of GT information. The genesis and development of the GT system in Kentucky is described, including costs and specifications of equipment. Findings include rates of retrieval of information from GT; informational topics most frequently accessed, and; relation of farmers' characteristics to frequency and type of informational retrieval. The authors recommend that Cooperative Extension should further develop and implement GT-type videotext systems. The report also provides specific suggestions for videotext computer hardware, software and information content as well as the role of extension specialists in future agricultural videotext systems.

Descriptors: *Information systems; *Agricultural economics; *Farm management; Display devices; Weather; Information retrieval; Marketing; Information services; Data retrieval; Kentucky
Identifiers: Shelby County(Kentucky); Todd County(Kentucky); NTISAGES
Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 2B (Agriculture--Agricultural Economics); 88B* (Library and Information Sciences--Information Systems); 98B* (Agriculture and Food--Agricultural Economics)

907310 N82-19439/0
Television Services in Europe in the Age of Direct Satellite Television les Services Nouveaux de Television Envisageables en Europe a l'Age du Satellite de Television Directe
Gonner, B.
Eurospace, Paris (France).
Corp. Source Codes: 013599000; E7712533
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Report No.: ESA-CR(P)-1503
Jan 81 224p
Text in French.
Languages: French
NTIS Prices: PC A10/MF A01
Country of Publication: France
Journal Announcement: GRAI8215; STAR2010
Contract No.: ESA-4139/79/F-FC(SC)

Consumer and industrial reaction to direct satellite television is discussed. Legal aspects raised at the Geneva conferences are summarized. Existing techniques are reviewed and the expansion of services is outlined. A country by country breakdown of the economic, social, cultural, and legal impact of satellite television is provided. The television and peritelevision market in Western Europe to the year 2000 is forecast, and the effect on this satellite television is evaluated. The outlook is good, with increased program variety, cheap teletext and increased quality leading to more receivers being bought and more satellites sold to countries outside Europe. Frequencies used for ground based television transmission can be used for other purposes, e.g. citizens' band radio.

Descriptors: *Broadcasting; *Market research; *Satellite television; *Technological forecasting; *Television transmission; Economic impact; Europe; Frequency assignment; International law; Satellite networks; Television receivers
Identifiers: *Foreign technology; NTISNASAE
Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45C (Communication--Common Carrier and Satellite)

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905091 PB82-177551

Telecommunication and the Physical Movement of Persons and Goods with Regard to the Purchase of Goods by the Consumer (Telekommunikatie en de Fysieke Verplaatsingen van Personen en Goederen met Betrekking tot de Aankoop van Goederen Door de Konsument)

Studie- en Informatiecentrum TNO voor Verkeers- en Vervoesonderzoek, Delft (Netherlands).

Corp. Source Codes: 075041000

Nov 79 57p

Text in Dutch.

Languages: Dutch

NTIS Prices: PC A04/MF A01

Country of Publication: Netherlands

Journal Announcement: GRAI8214

This report contains the result of a demand-analysis for the introduction of future telecommunication services for shopping. A system analytic approach has been followed. The applicability of future services is strongly related to a consumer characteristic--'not shop willing'. An indicative trend-extrapolation of the factors, affecting this characteristic, has been made. Fields of interest for further study are indicated.

Descriptors: *Telecommunication; *Purchasing; Demand(Economics); Systems analysis

Identifiers: *Foreign technology; Interactive communications ; User needs; NTISTFTNO

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45A (Communication--Policies, Regulations, and Studies); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics)

898322 AD-A111 050/1

[redacted]

Mar 81 156p

Languages: English Document Type: Thesis

NTIS Prices: PC A08/MF A01

Country of Publication: United States

Journal Announcement: GRAI8212

The domestic satellite (DOMSAT) industry has progressed through many stages of development in its short history. These stages of development are based on the areas of influence that deeply affect the direction of the industry. Based on the author's model of industry structure, conduct and performance, a model of the telecommunications industry past and present is developed. The stages of the telecommunications industry are based on the premise that various external environmental factors played a key role in influencing the industry as it progressed over time. Satellite communications technology has its base in the telecommunications industry and thus follow a similar pattern of development through four major stages of growth that impact the DOMSAT industry structure, conduct and performance. (Author)

Descriptors: *Industries; *Satellite communications; Communication satellites; Telecommunications; Commerce; Domestic; Economics; Marketing; Regulations; Policies; Computers; Information processing; Consumers; Economic models; Economic impact; History; Theses

Identifiers: NTISDODXA

Section Headings: 5C (Behavioral and Social Sciences--Economics); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 22B (Space Technology--Spacecraft); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics); 84G (Space Technology--Unmanned Spacecraft); 45C (Communication--Common Carrier and Satellite)

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891142 ED-194 047

Computer-Based Instruction: A New Decade. Proceedings of the Annual Conference of the Association for the Development of Computer-Based Instructional Systems Held at Bellingham, Washington, on March 31-April 3, 1980

Association for the Development of Computer-Based Instructional Systems, Wilmington, DE.

Corp. Source Codes: 061841000

Apr 80 321p

For related document, see ED-175 448.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210.

Languages: English

NTIS Prices: Not available NTIS

Country of Publication: United States

Journal Announcement: GRAI8209

The 50 papers in this collection from the 1980 ADCIS conference address topics ranging from coverage of large scale computer-based education (CBE) systems to specific single-purpose applications. The conference papers are presented in the following categories: Special Interest Group for the Handicapped; Mini-Micro Special Interest Group; Special Interest Group for Computer-Based Training; Elementary, Secondary, Junior College Special Interest Group; National Consortium for Computer-Based Music Instruction; Health Special Interest Group; National Consortium for CBE in Home Economics; Designing Instruction in the Basic Skills for Use with Micro Computer Technology; and PLATO Users Group. An author index is provided, and descriptions of 26 additional projects are included.

Descriptors: Basic skills; Computer assisted instruction; *Computer managed instruction; Computer oriented programs; Disabilities; Elementary secondary education; Health education ; Higher education; Home economics education; Microcomputers; Minicomputers; Music education; Reading instruction; Simulation; Students

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

890804 AD-A109 197/4

Instructional Systems Development Model for Interactive Videodisc Training Delivery Systems. Volume I. Hardware, Software, and Procedures

(Technical rept. Jul 78-Jun 79)

Bunderson, C. Victor ; Campbell, J. Olin ; Farr, Beatrice J.

WICAT, Inc., Orem, UT.

Corp. Source Codes: 059762000; 394604

Sponsor: Army Research Inst. for the Behavioral and Social Sciences, Alexandria, VA.

Report No.: ARI-TR-511

Jun 80 112p

Languages: English

NTIS Prices: PC A06/MF A01

Country of Publication: United States

Journal Announcement: GRAI8209

Contract No.: MDA903-78-C-2023; 2Q162722A764

This report describes the hardware and software for videodisc training delivery systems (VTDS) and videodisc authoring and production systems (VAPS). The report describes the range of capabilities in consumer-model videodisc players and intelligent videodisc systems. It also describes the interim field test delivery system for this project that will be used the second year. The report describes VAP systems hardware, including different levels of sophistication and complexity that might be available at any Army authoring site. The videodisc production process, which uses VAP systems, is summarized and the interim authoring software to be used during this project is described. This volume provides a framework for Vol. II, the revised ISD model for videodisc development. In Vol. III, preliminary prescriptions for graphics use in videodisc authoring are given.

Descriptors: *Video integration; *Man computer interface; *Military training; Computer programming; Computer graphics; Instructional materials; Interactive graphics; Microcomputers; Specifications; Front end processors; Data storage systems

Identifiers: *Videodiscs; NTISDODXA; NTISDODA

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 5H (Behavioral and Social Sciences--Man-machine Relations); 9B (Electronics and Electrical Engineering--Computers); 92A (Behavior and Society--Job Training and Career Development); 95D (Biomedical Technology and Human Factors Engineering--Human Factors Engineering)

887191 N82-12426/4
Integrated Humidity Sensor
(Final Report)
Hebbeker, H. ; Kammermaier, J. ; Knauer, R. ; Lindl, F. ; Peters, W.
Siemens A.G., Munich (Germany, F.R.).
Corp. Source Codes: 023986000; SK032012
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Report No.: BMFT-FB-T-81-007; ISSN-0340-7608
Feb 81 57p
In German; English Summary. Sponsored by Bundesministerium fuer Forschung und Technologie.
Languages: German
NTIS Prices: PC A04/MF A01
Country of Publication: Germany, Federal Republic of
Journal Announcement: GRAI8207; STAR2003

A compact humidity sensor with a capacitive sensor element and processing electronics, for measuring the relative humidity of air, was developed. By a systematic selection of materials for dielectrics and electrodes, signals with linear dependence on moisture and only small changes with temperature were obtained. The electronic circuits are based on pulse length modulation and are designed for digital display. Two alternatives were developed. The circuits with bipolar IC's were specially laid out with 20 mA output, while the CMOS circuits were designed to save energy. In both cases the output signals are evaluated by microcomputers. A specially formed case provides mechanical protection for the sensor element and moistureproof encapsulation of the circuits. The modules were developed for one fabrication stage and were given to consumers for testing.

Descriptors: *Cmos; *Humidity measurement; *Integrated circuits; *Meteorological instruments; *Monitors; Digital techniques; Display devices; Electronic packaging; Microcomputers; Pulse duration modulation
Identifiers: *Foreign technology; NTISNASAE
Section Headings: 14B (Methods and Equipment--Laboratories, Test Facilities, and Test Equipment); 4B (Atmospheric Sciences--Meteorology); 55D (Atmospheric Sciences--Meteorological Instruments and Instrument Platforms)

885946 AD-A107 733/8
Nanosecond and Picosecond Spectroscopy and Kinetics of Dynamic Absorbing Materials
(Final rept. Jun 76-Jun 81)
Windsor, Maurice W.
Washington State Univ., Pullman. Picosecond Laser Lab.
Corp. Source Codes: 015416094; 412650
Sponsor: Army Research Office, Research Triangle Park, NC.
Report No.: ARO-14081.11-C
8 Oct 81 132p
Languages: English
NTIS Prices: PC A07/MF A01
Country of Publication: United States
Journal Announcement: GRAI8207
Contract No.: DAAG29-76-G-0275

There is an increasing need to provide protection for both personnel and electronic sensors against laser radiation in the visible and near infra-red regions. The proliferation of laser frequencies and the advent of tunable lasers combine to create a threat that static filters alone cannot combat. Dynamic filters that become highly absorbing only on exposure to the incident laser radiation would provide an attractive solution, especially if the dynamic absorption could be made to develop very rapidly and also be rapidly reversible after the laser pulse is over. This report describes research aimed at the further development of ultra-fast spectroscopic instrumentation constructed in the author's laboratory and its application to studying several phenomena capable of giving rise to dynamic absorption in selected classes of chemical compounds. These phenomena include the direct photoproduction on the picosecond time scale of absorbing transient species such as excited singlet states and excited triplet states of conjugated organic molecules and dyes, the production of radical ions of similar compounds via photoexcitation followed by fast electron transfer and the production of various excited states of inorganic complexes. A low-cost automated, picosecond laser spectrometer based on a two-dimensional optical multichannel analyzer (OMA) interfaced to a home assembled microcomputer has been developed.

Descriptors: *Radiation protection; *Laser target interactions; *Pulsed lasers; *Infrared lasers; *Laser beams; Absorbers(Materials); Electronic equipment; Tunable lasers; Chemical compounds; Inorganic compounds; Electron transfer; Complex compounds; Instrumentation; Organic compounds; High rate; Absorption; Ions; Dyes; Spectroscopy; Excitation; Production; Filters; Frequency; Dynamics; Microcomputers; Molecules; Lasers; Laboratories; Detectors
Identifiers: TRS(Time Resolved Spectra); Dynamic absorbers; Nanosecond spectroscopy; Dynamic filters; Picosecond spectroscopy; Radical ions; Triplet states; Singlet states; NTISDODXA; NTISDODA
Section Headings: 7D (Chemistry--Physical Chemistry); 99F (Chemistry--Physical and Theoretical Chemistry)

885057 PB82-129073

Private and Public Defenses Against Soviet Interception of U.S. Telecommunications: Problems and Policy Points

Lipscomb, Greg

Harvard Univ., Cambridge, MA. Program on Information Resources Policy.

Corp. Source Codes: 004185160

Report No.: PUB-P-79-3

c1979 75p

Languages: English

NTIS Prices: PC A04/MF A01

Country of Publication: United States

Journal Announcement: GRAI8206

The Soviet Union is listening in on American domestic long distance telephone calls, apparently seeking strategic economic information. While the Carter Administration has decided not to interfere directly, it has formed a White House task force charged with frustrating this Soviet practice. The author discusses the problems of securing private industry communication. Should equipment be compatible, and thus vulnerable to questions of privacy and trust. Or should each system be individualized, a distinct inconvenience to mobile corporate executives. Who should bear the costs, the general taxpayer or the corporate consumer.

Descriptors: *Secure communication; *Communications intelligence; International relations; Foreign policy; USSR; Radio interception

Identifiers: NTISHUPIT

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5D (Behavioral and Social Sciences--History, Law, and Political Science); 45A (Communication--Policies, Regulations, and Studies); 70F (Administration and Management--Public Administration and Government)

885050 PB82-129008

The Regulation of Cable Television Subscriber Rates by State Commissions

Levine, Larry S.

Harvard Univ., Cambridge, MA. Program on Information Resources Policy.

Corp. Source Codes: 004185160

Sponsor: National Science Foundation, Washington, DC.

Report No.: PUB-P-78-6

c1978 103p

Prepared in cooperation with Kalba Bowen Associates, Inc., Cambridge, MA.

Languages: English

NTIS Prices: PC A06/MF A01

Country of Publication: United States

Journal Announcement: GRAI8206

Contract No.: NSF-APR76-04827

The traditionally conceived concerns of stakeholders in the rate regulation game, i.e. prevention of consumer 'gouging' by a monopolistic business v. overregulation by bureaucrats understanding little about the cable industry, are examined. Specific issues confronting these players, including whether or not there should be rate regulation at all, and if so, what form regulation should take, which systems and rates should be regulated, etc., are analyzed. The rate base rate-of-return method of regulation, as well as possible alternatives such as the common tariff procedure and 'cost of living' adjustments, are assssed and some new insights concerning how cable-related stakeholders (i.e. cable operators, state regulators, municipalities, etc.) view state rate regulation are offered. (Copyright (c) 1978, by Konrad K. Kalba.)

Descriptors: *Telecommunication; *Regulations; Rates(Costs); State government

Identifiers: *Cable television; NTISHUPIT

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45A (Communication--Policies, Regulations, and Studies); 70F (Administration and Management--Public Administration and Government); 43GE (Problem Solving Information for State and Local Governments--General)

883319 PB82-802331

Microcomputers: Industrial Process Control Applications. July, 1980-October, 1981 (Citations from the Engineering Index Data Base)

(Rept. for Jul 80-Oct 81)
National Technical Information Service, Springfield, VA.
Corp. Source Codes: 055665000
Dec 81 173p
Supersedes PB80-813413, and NTIS/PS-79/0731.
Languages: English Document Type: Bibliography
NTIS Prices: PC N01/MF N01
Country of Publication: United States
Journal Announcement: GRAI8205

Industrial applications of microcomputers to expedite processes are investigated in these reports gathered in a worldwide literature survey. Such diversified industries as pulp mills, rubber processing industry, chemical plants, metal fabrication plants, and machine shops are researched to ascertain the effectiveness of microcomputers as a process control tool. Comparative analyses of microcomputers and their control systems are made. (This updated bibliography contains 168 citations, all of which are new entries to the previous edition.)

Descriptors: *Microcomputers; *Process control; *Bibliographies; Computer programming; Microminiaturization; Automatic control; Production control; Abstracts

Identifiers: *Computer applications; Microprocessors; NTISNTISI

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A* (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software); 94GE* (Industrial and Mechanical Engineering--General)

883318 PB82-802323

Microcomputers: Industrial Process Control Applications. July, 1979-June, 1980 (Citations from the Engineering Index Data Base)

(Rept. for Jul 7[illegible]-Jun 80)
National Technical Information Service, Springfield, VA.
Corp. Source Codes: 055665000
Dec 81 193p
Languages: English Document Type: Bibliography
NTIS Prices: PC N01/MF N01
Country of Publication: United States
Journal Announcement: GRAI8205

Industrial applications of microcomputers to expedite processes are investigated in these reports gathered in a worldwide literature survey. Such diversified industries as pulp mills, rubber processing industry, chemical plants, metal fabrication plants, and machine shops are researched to ascertain the effectiveness of microcomputers as a process control tool. Comparative analyses of microcomputers and their control systems are made. (This updated bibliography contains 188 citations, none of which are new entries to the previous edition.)

Descriptors: *Microcomputers; *Process control; *Bibliographies; Computer programming; Microminiaturization; Automatic control; Production control; Abstracts

Identifiers: *Computer applications; Microprocessors; NTISNTISI

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A* (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software); 94GE* (Industrial and Mechanical Engineering--General)

871603 ED-192 721

Keeping Pace with the New Television: Public Television and Changing Technology

Mahony, Sheila
Carnegie Corp. of New York.
Corp. Source Codes: 058871000
1980 291p
For a related document, see ED-168 070.
Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210.
Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8201

Since the publication in April 1979 of the Carnegie Commission's report on the future of public radio and television in the United States, the accelerating pace of technological change has become even clearer, and this study was undertaken to provide a more detailed review of new marketplace developments, examining both service and revenue possibilities for the public television industry. The first section of this report focuses on a proposed nonprofit cable network for performing arts, culture, and entertainment (PACE). The five industry reports which follow discuss the current status of domestic satellite communications, the cable television industry, pay television, the home video market, and videotext services. A financial projection and a prototype program schedule for PACE, a glossary of acronyms, and an index are also provided.

Descriptors: Broadcast television; Cable television; Communications satellites; Cultural opportunities; Marketing; Needs assessment; Programing(Broadcast); Program proposals; Public television; *Technological advancement; *Telecommunications; Theater arts

Identifiers: Videotext; NTISHEWERI

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45D (Communication--Sociopolitical)

869007 N81-30166/5
Tele-X: A Swedish Experimental Telecommunications Satellite
Nobinder, P.
Swedish Space Corp., Solna.
Corp. Source Codes: 100909000; S6193413
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Report No.: Q7-18
27 Jan 81 4p
Languages: English
NTIS Prices: PC A02/MF A01
Country of Publication: Sweden
Journal Announcement: GRAI8126; STAR1921

The program for developing TELE-X, including the timetable, is described and a technical summary given. Intended to be a multipurpose vehicle for experimental and preoperational activities, the satellite has such potential uses as include high-speed digital data communications, direct-to-home television broadcasting, radio propagation measurements in frequency bands for high speed data communications and teletype services to mobile stations.

Descriptors: *Communication satellites; *Data transmission; *Satellite design; *Sweden; *Telecommunication; Bandwidth; European space programs; Radio frequencies; Satellite television; Satellite transmission
Identifiers: *Foreign technology; NTISNASAE
Section Headings: 22B (Space Technology--Spacecraft); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 84G (Space Technology--Unmanned Spacecraft); 45C (Communication--Common Carrier and Satellite)

868880 ED-192 738
Answering the Challenge of Teletext, Viewdata Systems and Other Fast Growing Communications, Such as Home Computers
Hall, Sandra K.
21 Jun 80 16p
Paper presented at the Summer Workshop of Arizona Newspaper Association, Flagstaff, AZ, June 21, 1980.
Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210.
Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8126

Newspapers are facing challenges from the new media of teletext, viewdata systems, and home computers. Teletext, which provides formated pages of text broadcast for viewing on a television screen, provides news immediately, simply, conveniently, and inexpensively. However, it does not provide the browse and scan options of newspapers. Of greater potential impact is the development of viewdata systems which use the television, telephone, and computer so that online searching can be done from the home. The system can also be modified to use a home computer rather than a television screen. Changes in how people spend their leisure time and their disposable income, combined with the stagnation of newspaper readership and the increasingly important role of information in society, suggest that newspapers should look into new options.

Descriptors: Delivery systems; Futures(of Society); *Information dissemination; Marketing; Microcomputers; *Newspapers; Online systems
Identifiers: *Teletext; *Videotext; NTISHEWERI
Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45D (Communication--Sociopolitical)

866153 DOE/ET/14052-1
Built-in Test Equipment (BITE) To Improve Front-End-Loader Productivity. Technical Progress Report
McDonnell Douglas Electronics Co., St. Charles, MO.
Corp. Source Codes: 047100000; 9504176
Sponsor: Department of Energy, Washington, DC.
May 81 72p
Languages: English
NTIS Prices: PC A04/MF A01
Country of Publication: United States
Journal Announcement: GRAI8125; NSA0600
Contract No.: AC22-80ET14052

This Topical Report describes an equipment system being developed to improve the availability and productivity of large front-end loaders used in surface-mining operations. The equipment is mounted on the front end loader and includes an operator display and keypad, a microcomputer, machine sensors and a signal conditioner. Safety and machine performance problems are displayed to the operator and a report is printed for the maintenance shop. The BITE equipment, environment and system operation are described. (ERA citation 06:026805)

Descriptors: *Mining equipment; *Surface mining; Coal mining ; Data acquisition systems; Design; Display devices; Information; Maintenance; Microprocessors; Productivity
Identifiers: ERDA/012000; ERDA/420206; NTISDE
Section Headings: 8I (Earth Sciences and Oceanography--Mining Engineering); 48A (Natural Resources and Earth Sciences--Mineral Industries)

864911 PB81-874968

Video Games For Home and Commercial Use. January, 1975-August, 1981 (Citations from the International Information Service for the Physics and Engineering Communities Data Base)

(Rept. for Jan 75-Aug 81)

National Technical Information Service, Springfield, VA.

Corp. Source Codes: 055665000

Aug 81 103p

Languages: English Document Type: Bibliography

NTIS Prices: PC N01/MF N01

Country of Publication: United States

Journal Announcement: GRAI8124

This bibliography contains citations concerning video games of skill both fixed programmed and freely programmable. The hardware and software, including circuitry, microprocessors, and video modules, are considered. Emphasis is on home programmable video games. (Contains 118 citations fully indexed and including a title list.)

Descriptors: *Bibliographies; Computers; Data processing; Microcomputers

Identifiers: *Video games; *Computer games; NTISNTISH; NTISNERACD

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 96GE (Business and Economics--General)

[redacted]

Seidel, Robert J.

Human Resources Research Organization, Alexandria, VA.

Corp. Source Codes: 045614000

Report No.: HUMRRO-PP-1-80

Available [redacted]m ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210.

Languages: English

NTIS Prices: Not available NTIS

Country of Publication: United States

Journal Announcement: GRAI8121

This paper provides an evaluative framework to clarify the similarities and differences in five purposes for which a computer may be used to aid instruction. Each purpose implies its own method of evaluation and each has a different set of effectiveness measures that highlight its unique value. The first four involve adding new skills or knowledge to the instructional process, or what is called 'value added' computer use; while the fifth deals directly with cost effectiveness. The five purposes are (1) computing opportunities--providing facilities for each school; (2) computer literacy--learning what 'computer' means; (3) curriculum enhancement--attaining new objectives; (4) educational reform, e.g., high school education at home; and (5) cost effectiveness, e.g., comparison of two ways of learning English grammar. Measures of effectiveness for each of these purposes are discussed in detail. A final item considers the process by which one can decide when to use cost effectiveness judgments in contrast to value added judgments in comparing computers or any other innovation in instruction.

Descriptors: *Computer assisted instruction; Computer oriented programs; Computers; Cost effectiveness; *Educational objectives; Equipment evaluation

Identifiers: Value added; NTISHEWERI; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

852498 AD-A100 031/4

Testimony Before the Subcommittee on General Oversight and Minority Enterprise, Committee on Small Business

Dertouzos, James N.

RAND Corp., Santa Monica, CA.

Corp. Source Codes: 017909000; 296600

Report No.: RAND/P-6502

Mar 80 17p

Languages: English

NTIS Prices: PC A02/MF A01

Country of Publication: United States

Journal Announcement: GRAI8120

This paper provides a structural overview of the key media industries and deals primarily with the economic issues related to media concentration and crossownership. The economic markets that mass media firms participate in are quite complex and interrelated. The appropriate market definition depends crucially on the issue under consideration. Media products are highly differentiated by origin, by transmission technology, by packaging, and by an infinite variety of other attributes which may be relevant to characterization of a particular submarket. Few products are identical, yet most are, for some purposes, substitutes. Generalizations about the structure and concentration of the mass media are apt to be inappropriate under certain conditions. This paper describes some of the more interesting structural characteristics of firms in industries which can be considered to be part of the mass media.

Descriptors: *Public opinion; *Legislation; *Mass media; Newspapers; Radio stations; Television stations; Market research; Economic analysis; Minorities; Ethnic groups; Consumer problems; Cable television; Distribution(Economics); Growth(General)

Identifiers: Small businesses; NTISDODXA; NTISDODXA

Section Headings: 5C (Behavioral and Social Sciences--Economics); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics)

18

BEST COPY AVAILABLE

851359 PB81-198848

Telecommunications for Concerned Citizen Involvement: Hindsights

Oklahoma State Dept. of Institutions, Social and Rehabilitative Services, Oklahoma City. Rehabilitative and Visual Services Div.

Corp. Source Codes: 065446001

Sponsor: Department of Health, Education, and Welfare, Washington, DC.

Report No.: MONO-5

Aug 80 208p

Languages: English

NTIS Prices: PC A10/MF A01

Country of Publication: United States

Journal Announcement: GRAI8119

Contract No.: RSA-12-57999

In September of 1977, the Rehabilitative and Visual Services Divison (RVS) of the Oklahoma Department of Institutions, Social and Rehabilitative Services received a grant from the Rehabilitative Services Administration (RSA) of the Department of Health, Education and Welfare to develop, implement and test an approach to obtaining consumer involvement in Vocational Rehabilitation policy development. Consumer involvement of the level and scope planned was to be made possible by the use of preexisting telecommunications systems developed and operated by other state agencies. The Oklahoma Regents for Higher Education operates a 'Talkback Television' system that provides one way video and two way audio connections for most state post-secondary educational institutions and in a few other facilities. The Hospital Teleconference Network is a two way audio teleconference system that operates as a shared services system among approximately 90% of the hospitals in Oklahoma. Liaison was also made with a third system, the State Department of Libraries, Interlibrary Loan System.

Descriptors: *Rehabilitation; *Oklahoma; Vocational guidance ; Telecommunications; Citizen participation; Handicapped persons; Surveys; Education; Television systems; Attitudes

Identifiers: Vocational rehabilitation; NTISHEWRSA; NTISHEWRSA

Section Headings: 5K (Behavioral and Social Sciences--Sociology); 92C (Behavior and Society--Social Concerns); 91K (Urban and Regional Technology and Development--Social Services)

851358 PB81-198830

Telecommunications for Concerned Citizen Involvement. Executive Summary

Oklahoma State Dept. of Institutions, Social and Rehabilitative Services, Oklahoma City. Rehabilitative and Visual Services Div.

Corp. Source Codes: 065446001

Sponsor: Department of Health, Education, and Welfare, Washington, DC.

Jul 80 35p

Languages: English

NTIS Prices: PC A03/MF A01

Country of Publication: United States

Journal Announcement: GRAI8119

Contract No.: RSA-12-57999

The project, Telecommunications for Concerned Citizen Involvement, was an attempt by the Oklahoma Rehabilitative and Visual Services agency to involve large numbers of consumers across the state in agency policy development activities. To make this extensive involvement possible at a reasonable cost, the agency used two preexisting telecommunications systems and the state inter-library loan system. The telecommunications systems utilized were the Talkback Television System and the Hospital Teleconference Network. Talkback Television or TBT is the popular name for the Televised Instruction System operated by the Regents for Higher Education in Oklahoma. The Hospital Teleconference Network links over a hundred hospitals through a four wire dedicated audio communication system.

Descriptors: *Rehabilitation; *Oklahoma; Vocational guidance ; Telecommunications; Citizen participation; Handicapped persons; Surveys; Education; Television systems; Attitudes

Identifiers: Vocational rehabilitation; NTISHEWRSA; NTISHEWRSA

Section Headings: 5K (Behavioral and Social Sciences--Sociology); 92C (Behavior and Society--Social Concerns); 91K (Urban and Regional Technology and Development--Social Services)

851357 PB81-198822

Telecommunications for Concerned Citizen Involvement: Consumer and Agency Attitudes Toward Consumer Involvement and the Agency Early in a Statewide Consumer Involvement Project

Oklahoma State Dept. of Institutions, Social and Rehabilitative Services, Oklahoma City. Rehabilitative and Visual Services Div.

Corp. Source Codes: 065446001
Report No.: MONO-3
Oct 79 83p
Languages: English
NTIS Prices: PC A05/MF A01
Country of Publication: United States
Journal Announcement: GRAI8119

Of special concern in any communication process are the basic attitudes of the communicants both toward each other and toward their mutal task. In this study a variety of different attitudes are explored among the four groups of participants in the project, Telecommunications for Concerned Citizen Involvement. The four groups surveyed were the Rehabilitation and Visual Services (RVS) Administration, RVS counselors and supervisors serving as local Facilitators, consumers serving on the Consumer Advisory Board and consumers serving on local Task Forces. The four groups were surveyed early in their participation in the project using the Consumer Attitude Questionnaire (CAQ). The results of the survey are reported and discussed in terms of the absolute value of the means ratings for each of the four groups and the partitioning of the group mean ratings into homogeneous subsets using Duncan's New Multiple Range Test.

Descriptors: *Rehabilitation; *Oklahoma; Vocational guidance ; Telecommunications; Citizen participation; Handicapped persons; Surveys; Education; Television systems; Attitudes

Identifiers: Vocational rehabilitation; NTISHEWRSA; NTISHEWRSA

Section Headings: 5K (Behavioral and Social Sciences--Sociology); 5J (Behavioral and Social Sciences--Psychology (Individual and Group Behavior)); 92C (Behavior and Society--Social Concerns); 91K (Urban and Regional Technology and Development--Social Services); 92B (Behavior and Society--Psychology)

851356 PB81-198814

Telecommunications for Concerned Citizen Involvement: An Attitudinal and Evaluative Review at a Time of Reassessment

Oklahoma State Dept. of Institutions, Social and Rehabilitative Services, Oklahoma City. Rehabilitative and Visual Services Div.

Corp. Source Codes: 065446001
Report No.: MONO-2
Jul 79 129p
Languages: English
NTIS Prices: PC A07/MF A01
Country of Publication: United States
Journal Announcement: GRAI8119

In September, 1977, the Rehabilitative and Visual Services Division (RVS) of the Oklahoma Department of Institutions, Social and Rehabilitative Services received a grant to develop, implement and test an approach for utilizing 'Telecommunications for Concerned Citizen Involvement.' The project utilizes the Higher Education Talkback Television System and the Oklahoma Hospital Teleconference Network for obtaining statewide consumer involvement in the RVS agency's policy development and implementation activities. The current study investigates consumer attitudes toward the RVS agency, consumer involvement, and the project nineteen months into its existence.

Descriptors: *Rehabilitation; *Oklahoma; Vocational guidance ; Telecommunications; Citizen participation; Handicapped persons; Surveys; Education; Television systems

Identifiers: Vocational rehabilitation; NTISHEWRSA; NTISHEWRSA

Section Headings: 5K (Behavioral and Social Sciences--Sociology); 92C (Behavior and Society--Social Concerns); 91K (Urban and Regional Technology and Development--Social Services)

850361 DOE/SF/01983-T1

Home Energy Management Devices. Final Report

Ross, J. W. ; Bower, S. ; McMillan, B. B.

Ross (James W.), Scottsdale, AZ.

Corp. Source Codes: 073734000; 9513173

Sponsor: Bower (Sid), Las Vegas, NV.; McMillan and Associates, San Francisco, CA.; Department of Energy, Washington, DC.

Report No.: DOE/SF/01931-T1; DOE/ET/10731-T1

Nov 80 76p

Languages: English

NTIS Prices: PC A05/MF A01

Country of Publication: United States

Journal Announcement: GRAI8119; NSA0600

Contract No.: FG03-78ET10731; FG03-78SF0193

Summaries of three programs of the Appropriate Energy Technology Program in Region IX are given for varied home energy management devices. They are: Concept Testing of an Electrical Peak Demand Controller for Residential Loads; Power Consumption Cost Indicator; and A Study of the Feasibility of an Energy Conserving Microcomputer-Based Thermostat. (ERA citation 06:018831)

Descriptors: *Electric power; *Energy management systems; *Houses; *Residential sector; *Thermostats; Appropriate technology; Control systems; Cost; Energy consumption; Energy management; Feasibility studies; Metering; Meters; Microprocessors; Peak load; Research programs; Western region

Identifiers: ERDA/320101; ERDA/291000; NTISDE; NTISDE

Section Headings: 13A (Mechanical, Industrial, Civil, and Marine Engineering--Air Conditioning, Heating, Lighting, and Ventilating); 97G (Energy--Policies, Regulations, and Studies)

845841 PB81-183386

[redacted]

Nilles, Jack M. ; Carlson, Jr., F. Roy ; Dordick, Herb ; Gray, Paul ; Hayes, John P.

University of Southern California, Los Angeles. Office of Interdisciplinary Programs.

Corp. Source Codes: 016356156

Sponsor: National Science Foundation, Washington, DC.

Report No.: OIP/PCTA-80-3/2; NSF/PRA-7805647/2

[redacted]

See also Volume 1, PB81-183378.

Languages: English

NTIS Prices: PC A06/MF A01

Country of Publication: United States

Journal Announcement: GRAI8117

Contract No.: NSF-PRA78-05647

Following discussions of the term personal computer and research strategies, the report (1) examines technological developments that will influence the rate of diffusion of personal computer technology among the general public; (2) estimates the probable market for personal computers as a function of time; and (3) briefly describes some possible evolutionary forms of the personal computer and of an alternative mode of development of personal computing. A bibliography and questionnaire for personal computer users are included.

Descriptors: *Technology assessments; *Minicomputers; *Microcomputers; *Market research; Utilization; Consumers; Computer systems hardware; Systems analysis; Marketing; Demand(Economics); Calculators; Information services; User needs

Identifiers: *Personal computers; NTISNSFPRA

Section Headings: 5C (Behavioral and Social Sciences--Economics); 9B (Electronics and Electrical Engineering--Computers); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics); 62GE (Computers, Control, and Information Theory--General)

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845840 PB81-183378
[redacted]
Nilles, Jack M. ; Carlson, Jr., F. Roy ; Gray, Paul ; Hayes, John P. ; Holmen, Milton G.
University of Southern California, Los Angeles. Office of Interdisciplinary Programs.
Corp. Source Codes: 016356156
Sponsor: National Science Foundation, Washington, DC.
Report No.: NSF/PRA-7805647/1
Sep 80 72p
See also Volume 2, PB81-183386.
Languages: English
[redacted]
Country of Publication: United States
Journal Announcement: GRAI8117
Contract No.: NSF-PRA78-05647

Research results are summarized in this first of a three volume report on technology assessment of personal computers. The findings are presented in three components. The first of these describes an analysis of the current status of personal computer technology, its probable growth during the next decade, the users of personal computers and their choice of applications, and some alternatives to personal computer technology. The second component consists of a summary of anticipated impacts on society of the widespread use of personal computers and discusses socioeconomic influences on the growth and application of the technology. Finally, specific public policy-related implications of personal computer technologies are examined in the areas of education, employment, and technological innovation--the latter especially as it relates to international trade.

Descriptors: *Technology assessment; *Minicomputers; *Microcomputers; *Market research; Technology transfer; Technology innovation; Government policies; Utilization; Consumers; Computer systems hardware; Calculators; Information services; Social effect; Education; Employment; International trade

Identifiers: *Personal computers; NTISNSFPRA

Section Headings: 5C (Behavioral and Social Sciences--Economics); 9B (Electronics and Electrical Engineering--Computers); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics); 62GE (Computers, Control, and Information Theory--General)

831816 PB81-153512
VIDEOTEX Systems and Services
Bloom, L. R. ; Hanson, A. G. ; Linfield, R. F. ; Wortendyke, D. R.
National Telecommunications and Information Administration, Boulder, CO. Inst. for Telecommunication Sciences.
Corp. Source Codes: 058755001
Report No.: NTIA/REPORT-80-50
Oct 80 168p
Languages: English
NTIS Prices: PC A08/MF A01
Country of Publication: United States
Journal Announcement: GRAI8112

A new, consumer-oriented family of innovative information distribution services, generally termed VIDEOTEX, is being offered to the European and Japanese public. Several field trials are underway in the United States. Normally using a modified home TV receiver as the display terminal, services provide user access to broad varieties of computerized data banks. Distribution to the user is typically via broadcast TV (one-way services) or the switched telephone network (two-way, interactive services). Also, there exists hybrid services in which the requested service may be transmitted over a different medium from the received information. This report discusses representative services and distribution system architectures, potential impact on the telephone network, the need for and status of standards, and economic considerations for user and suppliers.

Descriptors: *Telecommunication; *Television systems; Information systems

Identifiers: Interactive systems; Videotex systems; Residential sector; NTISCOMTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45C* (Communication--Common Carrier and Satellite); 91D* (Urban and Regional Technology and Development--Communications)

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830821 AD-A095 108/7

Audience Diversion Due to Cable Television: An Application of Nonlinear, Nondiagonally Weighted, Generalized Least Squares

Park, Rolla Edward

RAND Corp., Santa Monica, CA.

Corp. Source Codes: 017909000; 296600

Report No.: RAND/P-6399

Mar 80 27p

Languages: English

NTIS Prices: PC A03/MF A01

Country of Publication: United States

Journal Announcement: GRAI8112

A model of television audience shares is estimated and applied to simulate the effect of cable TV carrying distant signals on local stations' audience shares. The model is nonlinear, with a complex error covariance matrix; transformations are used to obtain generalized least squares estimates using an ordinary nonlinear regression package. The conclusion: TV broadcasting will continue to prosper, despite increasing competition from cable. (Author)

Descriptors: *Consumers; *Cable television; *Television stations; *Mathematical analysis; Viewers; Municipalities; Sharing; Video networks; Marketing; Performance(Engineering); Blackout(Propagation); Signals; Legislation; Surveys; Models; Public opinion; Nonlinear analysis; Regression analysis; Least squares method

Identifiers: NTISDODXA

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45A (Communication--Policies, Regulations, and Studies)

826519 ED-184 568

Telecommunications Technology in the 1980s

Baer, Walter S.

RAND Corp., Santa Monica, CA.

Corp. Source Codes: 017909000

Report No.: RAND-P-6275

Dec 78 67p

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210.

Languages: English

NTIS Prices: Not available NTIS

Country of Publication: United States

Journal Announcement: GRAI8110

This paper describes some of the advances in telecommunications technology that can be anticipated during the 1980's in the areas of computer and component technologies, computer influences on telecommunications systems and services, communications terminals, transmission and switching systems, and local distribution. Specific topics covered include the computer on a chip, memory devices, and input-output devices; substitution of information processing for transmission, digital communications, communications mixing, integration of information processing and communication functions, and ovolution of communications terminals; office and home communications terminals; communications satellites, optical fiber technologies; and telephone wire pairs, coaxial cable television, mobile communications, and optical fibers.

Descriptors: Cable television; Communications Satellites; Computer Science; Computer Storage Devices; Display system; Futures(of Society); Information processing; Input output devices; *Technological advancement; *Telecommunications; Telephone Communications systems

Identifiers: Computer terminals; NTISHEWERI

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 9B (Electronics and Electrical Engineering--Computers); 45D (Communication--Socio-political)

810657 ED-181 881

The Spartanburg Interactive Cable Experiments in Home Education

Lucas, William A.
RAND Corp., Santa Monica, CA.
Corp. Source Codes: 017909000
Sponsor: National Science Foundation, Washington, DC.
Report No.: RAND-R-2271-NSF
Feb 79 165p
Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210.
Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8104
Contract No.: NSF-C1022

Two studies examined interactive cable technology as a potentially useful means of providing adult and continuing education outside conventional institutions. One set of experiments on the interactive cable system located in Spartanburg, South Carolina, was aimed at adults who had not completed their high school education; the other study, which substituted data terminals for telephone interaction, was aimed at parents interested in the principles of child development. These experiments were designed to determine whether sufficient numbers of students would be attracted to and enroll in courses that rely on home terminals, and if these students could use the system to make satisfactory educational progress. The studies also explored the continuing debate over the federal government's role in supporting and regulating interactive cable service. Results were positive for both cable interaction processes and educational effectiveness, and telephone interaction was found to be preferable to data terminal interaction. It is suggested that the recent and continuing removal of restraints on the growth of the cable industry may be sufficient to allow home cable education to prosper.

Descriptors: *Adult education; *Cable television; Delivery systems; Diffusion; Federal regulation; Home instruction; Interaction; Man machine systems; Marketing; Questionnaires; Television research

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

806942 ED-180 438

[redacted] Prestel, Teletext: Home TV and Scitel Science Magazine

Cawkell, A. E.
1978 15p
Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210.
Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8103

This paper describes the development of textual information displays for home consumption on modified television receivers in Great Britain over the last few years, compares two systems in use there--Teletext and Viewdata--and discusses some future possibilities for such services in the U.S. as well as the U.K. British television equipment manufacturers are actively considering the connection of home computers to receivers which contain microprocessors to provide the reception of computer programs broadcast via the Teletext and Viewdata systems. A program, stored for as long as it may be needed in the receiver's existing page storage, is executed by the microprocessor, and the TV screen is used for display. Such an arrangement would enable a viewer to run-in whatever program he/she needs. Concurrently, the full power of access to very large information files via Prestel telephone service would be available to the viewer using the same all-purpose terminal.

Descriptors: Computer oriented programs; Computer programs; Display systems; Information Processing; Information services; Information storage; *Information systems; Screens(Displays); Technological advancement; *Video equipment

Identifiers: Great Britain; Microprocessors; NTISHEWERI

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 88B (Library and Information Sciences--Information Systems)

803486 HRP-0030811/4

Interagency Task Force on the Health Effects of Ionizing Radiation: Report on Institutional Arrangements

Department of Health, Education, and Welfare, Washington, DC. Office of the Secretary.

Corp. Source Codes: 000366663

Jun 79 57p

See also HRP-0030810.

Languages: English

NTIS Prices: PC A04/MF A01

Country of Publication: United States

Journal Announcement: GRAI8101

Although disagreements exist concerning many issues relating to ionizing radiation, virtually everyone agrees that the Federal Government should enhance its institutional capacity to develop clear and consistent policies on radiation matters. The roles and performance of Federal agencies on radiation matters have been examined in hearings by a number of Congressional committees and by the General Accounting Office. In general these hearings and reports have found that coordination and collaboration among the Federal agencies with radiation-related responsibilities should be improved. Also suggestions have been made that the decision-making process be opened to further public examination and participation. This paper deals only with institutional arrangements among Federal agencies concerned with ionizing radiation, and does not discuss issues related to non-ionizing radiation. The National Telecommunications and Information Agency in the Department of Commerce already has lead responsibility for non-ionizing radiation.

Descriptors: *Radiation effects; *Legislation; United States ; Radiation protection; Occupational diseases; Consumers; Prevention

Identifiers: Environmental health; Ionizing radiation; *Government agencies; NTISHRANHP

Section Headings: 6R (Biological and Medical Sciences--Radiobiology); 57V (Medicine and Biology--Radiobiology); 68G (Environmental Pollution and Control--Environmental Health and Safety); 68F (Environmental Pollution and Control--Radiation Pollution and Control); 44G (Health Planning and Health Services Research--Environmental and Occupational Factors)

794552 PB80-813413

Microcomputers: Industrial Process Control Applications. July, 1979-June, 1980 (Citations from the Engineering Index Data Base)

(Rept. for Jul 79-Jun 80)

Habercom, Jr, Guy E.

National Technical Information Service, Springfield, VA.

Corp. Source Codes: 055665000

Jul 80 193p

Supersedes NTIS/PS-79/0731, and NTIS/PS-78/0616.

Languages: English Document Type: Bibliography

NTIS Prices: PC N01/MF N01

Country of Publication: United States

Journal Announcement: GRAI8024

Industrial applications of microcomputers to expedite processes are investigated in these reports gathered in a worldwide literature survey. Such diversified industries as pulp mills, rubber processing industry, chemical plants, metal fabrication plants, and machine shops are researched to ascertain the effectiveness of microcomputers as a process control tool. Comparative analyses of microcomputers and their control systems are made. (This updated bibliography contains 188 citations, all of which are new entries to the previous edition.)

Descriptors: *Microcomputers; *Process control; *Bibliographies; Computer programming; Microminiaturization; Automatic control; Production control; Abstracts

Identifiers: NTISNTISI

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A* (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software); 94GE* (Industrial and Mechanical Engineering--General)

794551 PB80-813405

Microcomputers: Industrial Process Control Applications. 1970-June, 1979 (Citations from the Engineering Index Data Base)

(Rept. for 1970-Jun 79)
Habercom, Jr, Guy E.
National Technical Information Service, Springfield, VA.
Corp. Source Codes: 055665000
Jul 80 285p
Languages: English Document Type: Bibliography
NTIS Prices: PC N01/MF N01
Country of Publication: United States
Journal Announcement: GRAI8024

Industrial applications of microcomputers to expedite processes are investigated in these reports gathered in a worldwide literature survey. Such diversified industries as pulp mills, rubber processing industry, chemical plants, metal fabrication plants, and machine shops are researched to ascertain the effectiveness of microcomputers as a process control tool. Comparative analyses of microcomputers and their control systems are made. (This updated bibliography contains 284 citations, none of which are new entries to the previous edition.)

Descriptors: *Microcomputers; *Process control; *Bibliographies; Computer programming; Microminiaturization; Automatic control; Production control; Abstracts

Identifiers: *Computer applications; Microprocessors; NTISNTISI

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A* (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software); 94GE* (Industrial and Mechanical Engineering--General)

793126 HRP-0031217/3

The Use of Microprocessor-Based, 'Intelligent' Machines in Patient Care. Consensus Development Working Papers

Eden, Henry S. ; Eden, Murray
National Institutes of Health, Bethesda, MD.
Corp. Source Codes: 004933000
Report No.: DHEW/PUB/NIH-79-1852
Sep 79 132p
Languages: English
NTIS Prices: PC A07/MF A01
Country of Publication: United States
Journal Announcement: GRAI8024

Microprocessors can be used in medical care to expand the use of allied health personnel, to assist in data acquisition, to assist in medical diagnoses, (by their rapid access to large quantities of medical information and their ability to analyze multiple variables simultaneously), to assist in treatment and decisions related to therapy, to manage medical information, to monitor and control physiological systems, to aid the handicapped by partially replacing lost neurological functions, and to assist the medical education of both health care workers and consumers. Microprocessors also offer the following types of advantages over the use of discrete and self-contained computer components: lower hardware costs, the programs can be more easily altered, greater reliability, because of fewer interconnections and the ease with which redundancy can be built into the system, low power consumption, their special properties of information storage. This book describes the characteristics of microprocessors and microcomputers, discusses the normal growth of an emerging technology in American society, and speculates on some of the ways the microprocessor-based devices may alter the institution and practice of American medicine. A 20-item glossary and a 430-item bibliography are also included as appendices.

Descriptors: *Medical equipment; Data collection; Diagnosis; Data processing; Computers

Identifiers: Medical computer applications; *Medical information systems; Microcomputers; *Microprocessors; NTISHRANHP

Section Headings: 6L (Biological and Medical Sciences--Medical and Hospital Equipment and Supplies); 5B (Behavioral and Social Sciences--Documentation and Information Technology); 9B (Electronics and Electrical Engineering--Computers); 95C (Biomedical Technology and Human Factors Engineering--Biomedical Instrumentation and Bioengineering); 44T (Health Planning and Health Services Research--Data and Information Systems); 88B (Library and Information Sciences--Information Systems); 62A (Computers, Control, and Information Theory--Computer Hardware)

791016 PB80-205669

Networking, Legitech Experiments and the Development of Politechs

Stevens, Chandler Harrison
Participation Systems, Inc., Winchester, MA.
Corp. Source Codes: 070036000
Sponsor: National Science Foundation, Washington, DC. Engineering and Applied Science.
Report No.: NSF/RA-800096
Jun 80 58p
Languages: English
NTIS Prices: PC A04/MF A01
Country of Publication: United States
Journal Announcement: GRAI8023
Contract No.: NSF-DSI77-27940; NSF-DSI77-17838

Politechs is a communication system which supports political decisionmaking through the exchange of technical information needed to clarify policy options. Each participant potentially is an inquirer/selector/consumer and a responder/editor/producer. Information exchange within this system takes various forms. Electronically, inquiries and responses are exchanged through computer terminals connected by phone to Politechs. The report also evaluates the Politechs-on-Electronic Information Exchange System (EIES). Additionally, a discussion of the Northeast Networkshop conference on the Legitech experiment on EIES is presented.

Descriptors: *Information systems; *Decision making; Telecommunication; Networks; Political systems; Legislation; Government policies; State government; Problem solving

Identifiers: *Politechs system; *Computer networks; Communication networks; Computer conferencing; NTISNSFRA

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 5A (Behavioral and Social Sciences--Administration and Management); 88E (Library and Information Sciences--Reference Materials); 43G (Problem Solving Information for State and Local Governments--Transportation); 70F (Administration and Management--Public Administration and Government)

760039 PB80-159189

A Computer Simulation of Broadband Cable Distribution Systems

Cogansparger, Lee Alan
Rensselaer Polytechnic Inst., Troy, NY.
Corp. Source Codes: 024503000
Sponsor: National Science Foundation, Washington, DC. Engineering and Applied Science.
Report No.: NSF-RA-S-74-120
May 74 134p
Languages: English
NTIS Prices: PC A07/MF A01
Country of Publication: United States
Journal Announcement: GRAI8012
Contract No.: NSF-GI-36407

A substantial increase in consumer demand for services provided by cable television (CATV) systems has been found. Telecommunication services over a broadband communication network have greatly expanded. Services will require that the subscriber be able to return information to the headend. In order to aid in the comparison of frequency division multiplexed broadband cable communications systems and space division multiplexed systems, computer programs have been developed which simulate the design of distribution networks for these two types of systems. The programs utilize a symmetric, repetitive, rectangular subscriber grid and perform an actual design for this grid, using available hardware and realistic design constraints. Equipment and installation costs are then computed by the programs, as well as the total cost of the system per subscriber, assuming that all customers passed by the cable route become subscribers.

Descriptors: *Telecommunication; *Computerized simulation; Broadband; Computer programs; Fortran

Identifiers: *Cable television; Interactive systems; Space division multiplexing; Frequency division multiplexing; Fortran 4 programming language; NTISNSFRA

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 9B (Electronics and Electrical Engineering--Computers); 45C (Communication--Common Carrier and Satellite)

759191 N80-18260/3

Picture Description Instructions (Pdi) for the Telidon Videotex System

Bown, H. G. ; Obrien, C. D. ; Sawchuk, W. ; Storey, J. R.

Communications Research Centre, Ottawa (Ontario). Technology and Systems Branch.

Report No.: CRC-TN-699-E

Nov 79 74p

Languages: English

NTIS Prices: PC A04/MF A01

Country of Publication: Canada

Journal Announcement: GRAI8012; STAR1809

The Telidon Videotex system is a method by which information is accessed from central data bases by the general public. By the use of a domestic home television receiver augmented by a microcomputer controlled interface device a user can access pages of graphical and textual information over a public common carrier communications facility such as the telephone network, a cable television line, or in a broadcast television signal. A coding scheme which encodes a picture into the geometric drawing elements which compose it is described. The picture description instructions are an alpha geometric coding model and are based on the primitives of POINT, LINE, ARC, RECTANGLE, POLYGON, point by point BIT encoded images, and TEXT encoded as ASCII characters. A detailed specification of the code as well as a description of the principles which make it independent of communications channel and display hardware is provided.

Descriptors: *Information systems; *Systems engineering; *Video communication; Command and control; Microcomputers; Video equipment

Identifiers: NTISNASAE

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 88B (Library and Information Sciences--Information Systems); 45C (Communication--Common Carrier and Satellite)

757009 ED-171 248

Telecommunications for Metropolitan Areas: Opportunities for the 1980's

National Research Council, Washington, DC. Panel on the Public Policy Implications of Earthquake Prediction.

Corp. Source Codes: 019026281

Sponsor: Department of Commerce, Washington, DC.

1978 117p

Sponsored in part by Department of Commerce, Washington, DC. For related document, see IR-007 247.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210.

Languages: English

NTIS Prices: Not available NTIS

Country of Publication: United States

Journal Announcement: GRAI8011

This report intended for officials responsible for solving metropolitan problems identifies ways that telecommunications could improve the delivery of public services to metropolitan communities during the 1980's. Areas included in this study are delivery of public services to the home, operation of mobile public services, personal security networks, and energy conservation and management. Major recommendations include the establishment of a pilot program to demonstrate the ways in which telecommunications can help deliver public services to the home and the nationwide implementation of 911 service, by legislation if necessary. Because the uses of mobile radio for delivering public services are many and varied, it is deemed unlikely that any single mobile system approach will provide a universally appropriate solution; however, it is recommended that some preliminary experiments with community security telecommunications networks be carried out. Several peripheral but potentially significant applications of telecommunications in energy conservation and management are indicated: substitution for travel, transmitting demand and providing information between consumers and utilities, and facilitating the marketing and transfer of bulk power. A list of references is included.

Descriptors: *City planning; Delivery systems; Emergency programs; Environmental influences; Family environment; Futures(of Society); Information needs; Information networks; Information systems; Public health; Safety; *Telecommunication ; *Urban areas

Identifiers: NTISHEWERI

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45D (Communication--Sociopolitical)

745793 ED-167 191
[redacted]
6 Apr 78 11p
Paper prepared for the COMIT Symposium, Waterloo (Ontario) on April 6, 1978. For entire proceedings, [redacted]
Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210, PC$1.67, MF$0.83 Plus Postage.
Languages: English
NTIS Prices: Not available NTIS
Country of Publication: United States
Journal Announcement: GRAI8005

This paper describes the use of an automated interactive teaching system for the teaching of a survey course in recreation which examines the phenomenon of leisure from a range of disciplinary perspectives including history, anthropology, archeology, philosophy, religion, economics, sociology, political science, psychology, planning, geography, and others. Initial pre-test results indicated that the traditional lecture group and the COMIT group started with similar background knowledge, and there was a considerable increase in the amount of information acquired; however, there was no significant difference between the two groups in the amount of information increase. COMIT has incorporated a standard television set into its design, and this, coupled with the growth of home computing, indicates that the project itself may be a glimpse of leisure behavior in the future.

Descriptors: Audiovisual aids; *Computer assisted instruction; Educational strategies; Educational television; Formative evaluation; Higher education; Individualized instruction; Instructional design; Intermode differences; Learning modules; Program evaluation; *Recreation; Teaching methods

Identifiers: *Computerized multimedia instructional television; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

741323 HRP-0028358/0
Basic Health Information System for Outpatient Services
Stephens, Betsy
Institute of Medicine, Washington, DC.
Corp. Source Codes: 043800; 000
1978 15p
Pub. in the Jnl. of Ambulatory Care Management v1 n4 p83-97 Nov 78.
Languages: English Document Type: Journal article
NTIS Prices: Not Available NTIS
Country of Publication: United States
Journal Announcement: GRAI8003

An information system involving patient-retained records in Botswana is detailed. The 12-month project leading up to the development of the information system was designed to minimize recordkeeping procedures and maximize usable data generation. Three major constraints affected system design: (1) almost all primary care is delivered by registered nurses who are supported by paramedical workers and supervisory regional health teams; (2) services are predominantly rural in areas with no telecommunications and inadequate road transport; and (3) the population itself is very mobile. To test the feasibility of patient-retained records, an information system package was devised and introduced at five clinics for 6 months. Evaluation of system components with regard to their efficiency and effectiveness involved both subjective and objective techniques. It was determined that patient-retained or home-based records in outpatient clinics are advantageous for community health surveys and services. Clinic-based records, however, are necessary for reporting statistical data and for identifying defaulting clients in order to provide appropriate followup care. The loop effect of the information system designed in the Botswana project is dependent on provider compliance with recordkeeping requirements and on information utilization. Examples of patient-retained and clinic-based recordkeeping forms are provided.

Descriptors: Data processing systems; Data processing; Foreign countries; Health care; *Information systems; Medical records; Methodology

Identifiers: HRP/TBCA; HRP/ZG; HRP/TA; HRPGEO/YFO; HRPOCC/XZ ; Reprints; *Health information systems; *Ambulatory health care; Botswana; Records management; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 5B (Behavioral and Social Sciences--Documentation and Information Technology); 44T (Health Planning and Health Services Research--Data and Information Systems); 88B (Library and Information Sciences--Information Systems)

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738420 ED-167 126

An Investigation of Computer Coaching for Informal Learning Activities

Burton, Richard R. ; Brown, John Seely

Bolt Beranek and Newman, Inc., Cambridge, MA.

Corp. Source Codes: 004246000

Sponsor: Advanced Research Projects Agency, Arlington, VA.

Report No.: BBN-3914

Aug 78 35p

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210, PC$2.06, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Country of Publication: United States

Journal Announcement: GRAI8001

Contract No.: MDA903-76-C-0108

This paper provides an in-depth view of computer based tutoring/coaching systems and (1) the philosophy behind them, (2) the kinds of diagnostic modeling strategies required to infer a student's shortcomings from observing his behavior, and (3) the range of explicit tutorial strategies needed for directing the tutor to say the right thing at the right time. Examples of these issues were drawn for a computer based system for a simple game--How the West Was Won. The intention was to make explicit the vast amounts of tutorial knowledge required to construct a coaching system that is robust, friendly, and intelligent enough to survive in home or classroom use.

Descriptors: *Computer assisted instruction; Diagnostic teaching; Educational strategies; Game theory; Models; Teaching procedures; *Tutorial programs

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

736459 PB-300 478/5

[redacted]

Walling, Jr., Victor C. ; Thomas, Thomas C. ; Larson, Meredith A.

SRI International, Menlo Park, CA.

Corp. Source Codes: 055876000

Sponsor: Office of the Assistant Secretary for Planning and Evaluation (HEW), Washington, DC.

Report No.: RM-33; ASPE/TP-79/02

31 May 79 [redacted]

Journal Announcement: GRAI7926

Contract No.: DHEW-100-78-115; SRI-7953

Current developments in electronic technology (e.g. personal computers, videodiscs) could result in dramatic changes in education in this country, even if (as seems likely) the schools are slow to adopt new devices and approaches. Some of the changes wrought by the new technology will appear as general benejfitsjto education, and to the handicapped and the disadvantaged in particular. But the benefits may be offset by undesirable or disruptive effects of these tehcnologies; for example, they may be acquired almost exclusively by children from middle and upper income familites, creating a new set of disadvantages. Another disruptive possibility is that widespread use of in-home electronic technology might be accompanied by broad changes in the institutional structure of education, including reduced support of public schools. At the Federal level jthere has been modest involvement with the new technologies, and some decisions are being made about Federal tactics. But there is, as yet, no evidence of any overall stragegy that could avoid the confusion, direct the benefits, and mitigate the potentially divisive effects of the new technologies.

Descriptors: *Education; *Computers; Schools; User needs; Disadvantaged groups; Handicapped persons; Financing; Forecasting

Identifiers: NTISLABASP

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

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732386 ED-164 002

A History of Alaska's Involvement in Education Via Satellite, 1970-1975

(Doctoral thesis)

Raaum, Alfhild M.

Walden Univ., Naples, FL.

Apr 78 163p

Best copy available.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210, MF$0.83 Only, Plus Postage.

Languages: English Document Type: Thesis

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7925

Data for this study were gathered from primary sources (interviews, government records, minutes of meetings, correspondence, and tapes of programs), as well as secondary sources including the two reports 'The Action Study of Educational Uses of Satellite Communications in Remote Alaskan Villages' and 'The Educational Satellite Communications Demonstration.' The former experiment used radio via Applied Technology Satellite One, while the latter used television via Applied Technology Satellite Six. These experiments were successful in broadcasting programs, both commercially made and self-produced, into selected Alaskan villages and cities at 40 test sites. Unique features included low-cost earth stations, audience interaction, consumer committees, utilization aides, and four-language channels. The possible effects of satellite communications upon current Alaskan educational problems such as the bilingual and multicultural aspects, need for early childhood education, the change from boarding high schools to small rural ones, the reorganization of the State Operated School System into independent school districts, and the need for adult higher education and vocational training, were explored. Results indicated such major findings as (1) satellites were an effective method of furthering education in Alaska including rural areas, (2) certain educational services could be delivered to rural Alaska only by means of satellites, (3) viewer input was advantageous in program selection, (4) government and nongovernment agencies cooperated effectively in planning and producing programs, and (5) regional networks were needed to supplement the statewide capacity in order to accommodate and sustain the multi-ethnic feature of the Alaskan population.

Descriptors: Alaska natives; *Communication satellites; Demonstrations(Educational); Educational problems; *Educational research; Eskimos; Historical reviews; Program descriptions ; *Rural education; State of the art reviews; Telecommunication

Identifiers: *Alaska; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

732370 ED-163 978

Conference on Intelligent Videodisc Systems. Brief Informal Summary

Bork, Alfred

California Univ., Irvine.

Sponsor: National Science Foundation, Washington, DC.

Dec 77 14p

Sponsored in part by National Science Foundation, Washington, DC.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210, PC$1.67, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7925

A three-day conference on intelligent videodisc systems was held to formulate a plan for the development of the necessary videodisc hardware and the possible production of materials to be available on a commercial basis. Those attending the conference included individuals from academic institutions and similar organizations concerned with using the computer as an educational tool, developers and potential manufacturers of the videodisc technology, developers and producers of computer equipment, and representatives from government agencies. Activities included presentations of informal review papers, small group discussions and reports, and demonstrations; topics covered were trends in private computing, computer assisted instruction, videodiscs and home entertainment, hardware and software, courseware production, development sites, marketing possibilities, and organizational mechanisms.

Descriptors: *Computer assisted instruction; Computers; Conference reports; Diffusion; Equipment manufacturers; Flow charts; Futures(of Society); *Instructional innovation; Marketing; Technological advancement; *Videodisc recordings

Identifiers: Computer software; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 9B (Electronics and Electrical Engineering--Computers); 92D (Behavior and Society--Education, Law, and Humanities)

723454 PB-297 577/9

Spartanburg Interactive Cable Experiments in Home Education

Lucas, William A. ; Heald, Karen A. ; Bazemore, Judith S.
RAND Corp., Santa Monica, CA.
Sponsor: National Science Foundation, Washington, DC. Engineering and Applied Science.
Report No.: R-2271-NSF; NSF/RA-790071
Feb 79 165p
Languages: English
[redacted]
Contract No.: NSF-C1022

The report seeks to inform citizens and public officials who [redacted] in the use of telecommunications for the delivery of [redacted] It also serves as a detailed [redacted] used in the home education experiments for those concerned with the value of alternative forms of the return link in two-way communications. Interactive cable technology potentially can provide adult and continuing education outside conventional institutions. One set of experiments on the interactive cable [redacted] at parents interested in the principles of child development. These experiments attempted to determine whether sufficient numbers of students will be attracted to and enroll in courses that rely on home terminals and if these students can use the system to make satisfactory educational progress. The experiments were further designed to illuminate the continuing debate over the federal government's role in supporting and regulating interactive cable service. In its approach to interactive instruction for the educationally disadvantaged, a series of quasi-experiments were conducted to demonstrate the use of two-way interactive cable television as an alternative to traditional adult education in the classroom and to test the relative effectiveness of the two forms of instruction. Another series of experiments considered the potential commercial market for interactive education programs in a context of widespread telephone availability. Child development principles forming the framework of curriculum, data collection instruments for parent education experiments, and telephone survey instruments are included in the appendices.

Descriptors: *Education; *Telecommunication; *South Carolina ; Television systems; Learning; Instructional materials; Disadvantaged groups

Identifiers: Adult education; Spartanburg(South Carolina); NTISNSFRA; NTISRAND

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 92D (Behavior and Society--Education, Law, and Humanities); 45D (Communication--Sociopolitical)

720248 NTIS/PS-79/0731/4

Microcomputers. Part 4. Industrial Process Control Applications (Citations from the Engineering Index Data Base)

(Rept. for 1970-Jul 79)
Habercom, Jr, Guy E.
National Technical Information Service, Springfield, VA.
Corp. Source Codes: 391812
Jul 79 290p

Supersedes NTIS/PS-78/0616. For the companion Published Searches of the NTIS Data Base, see NTIS/PS-79/0723, NTIS/PS-79/0724, and NTIS/PS-79/0725.

Languages: English Document Type: Bibliography
NTIS Prices: PC N01/MF N01
Journal Announcement: GRAI7920

Industrial applications of microcomputers to expedite processes are investigated in these reports gathered in a worldwide literature survey. Such diversified industries as pulp mills, rubber processing industry, chemical plants, metal fabrication plants, and machine shops are researched to ascertain the effectiveness of microcomputers as a process control tool. Comparative analyses of microcomputers and their control systems are made. (This updated bibliography contains 284 abstracts, 194 of which are new entries to the previous edition.)

Descriptors: *Microcomputers; *Process control; *Bibliographies; Computer programming; Microminiaturization; Automatic control; Production control; Abstracts

Identifiers: *Computer applications; Microprocessors; NTISNTISI

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A* (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software); 94GE* (Industrial and Mechanical Engineering--General)

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720013 ED-161 433

Computers for Learning: The Uses of Computer-Assisted Instruction (CAI) in California Public Schools

Grimes, Don Marston

California State Dept. of Education, Sacramento.

1977 15p

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210, MF$0.83 Only, Plus Postage. Also available from Publications Sales, California State Department of Education, P.O. Box 271, Sacramento, CA. 95802 ($1.25).

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7920

Implications of and resource information on the use of computer assisted instruction (CAI) in California public schools are presented under the following headings: (1) definition of CAI, (2) effectiveness of CAI, (3) obstacles to the use of CAI, (4) the turnaround in CAI acceptance and use, (5) instructional potential of CAI, and (6) how to obtain information on CAI. Subtopics discussed in these sections inclue drill and practice, problem solving, simulations, and tutorial formats; cost and availability of computers, curriculum quality, adverse attitudes; shifting economies, increasing expertise, changing attitudes; computer capacity, computer graphics; and computer demonstrations, other educators, computer programming, shopping for computers.

Descriptors: Changing attitudes; *Computer assisted instruction; Computer managed instruction; Computers; Cost effectiveness; Diffusion; Educational innovation; Instructional improvement; *Public schools; State of the art reviews; Trend analysis

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

717794 ED-160 070

Telecommunications for the Severely Handicapped

(Final rept)

Tawney, James W.

Bureau of Education for the Handicapped, Washington, DC.

Jan 77 180p

Portions of this document are not fully legible.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210, PC$10.03, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7919

The project described was designed to develop prototype electronically controlled learning environments in home settings, in order to provide instruction for persons with assumed severe developmental retardation and attendant multiple handicaps. The first of nine sections in this report contains the justification for the project, abstracted critical components of the request for proposals, and a list of the major objectives proposed for the project. Specific steps and major events are listed in chronological order in Section 2. Sections 3, 4, and 5 report the procedures and outcomes of system development, child referral and family demographic information, and instructional home intervention. Contributed services from the University of Kentucky Center for the Handicapped are described in Section 6, child performance profiles are listed in Section 7, costs estimates for a prototype system are provided in Section 8, and a summary and recommendations are presented in Section 9. Appendices include a discussion of the rationale for the development of telecommunications technologies and descriptions of five prototype systems; a chart summarizing the major activities associated with technological development and their attendant problems; and a telecommunications operations manual.

Descriptors: Computer assisted instruction; Diffusion; *Educational innovation; Elementary secondary education; Federal government; Program development; Programming languages ; *Severely handicapped; Systems development; Technological advancement; *Telecommunication; Telephone communication systems

Identifiers: Cost estimates; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45GE (Communication--General); 92C (Behavior and Society--Social Concerns); 92D (Behavior and Society--Education, Law, and Humanities)

33

69

63

711062 ED-158 721

Possible Applications of Optical Video Discs to Individualized Instruction Systems

Bennion, Junius L.

Brigham Young Univ., Provo, UT. Div. of Instructional Research, Development, and Evaluation.

Sponsor: MITRE Corp., McLean, VA.; National Science Foundation, Washington, DC.

Report No.: ICUE-TR-10

14 Feb 74 10p

Prepared in cooperation with MITRE Corp., McLean, VA. For related documents, see IR 006 172, 176.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA 22210, PC$1.67, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7916

Contract No.: NSF-C179

The videodisc with random access and large capacity for storage of high quality audiovisual material has the potential of becoming a very effective new medium for individualized interactive instruction at low cost. This medium should be developed carefully, making use of the experience gained in the TICCIT project and the best available instructional psychology and learning theory so that the full potential of the videodisc can be realized. New techniques for lesson development utilizing interactive control of still frames and motion sequences need to be explored. Learner control of freeze frame, slow motion, or fast motion options during motion sequences by repeating or skipping revolutions is possible with the videodisc system, and needs to be evaluated.

Descriptors: *Computer assisted instruction; Display systems ; Educational technology; Home instruction; Individualized instruction; Instructional innovation; Instructional media; Intermode differences; Technological advancement; Use studies; *Video cassette systems

Identifiers: TICCIT computer system; *Videodisc recordings; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

708430 ED-158 719

Interactive Video Disc Systems for Education

Bennion, Junius L. ; Schneider, Edward W.

Brigham Young Univ., Provo, UT. Div. of Instructional Research, Development, and Evaluation.

30 Oct 75 19p

Paper presented at the Society of Motion Picture and Television Engineers Conference, Los Angeles, CA. October 3, 1975. For related documents, see IR 006 175-176.

Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), Arlington, VA. 22210, PC$1.67, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7915

The basic design of the videodisc technology, especially the three features of the freeze frame, electronic address, and fast random access, makes possible the creation of a new audiovisual delivery system that has revolutionary applications for education in individualized interactive instruction. In addition to the linear playback mode for home movie and television rerun entertainment, the optical videodisc is capable of providing branching because of random access and electronic addressing capabilities. The system is also able to accommodate many psychological procedures for enhancing learning, such as the capability of inserting questions in still frames or aural modes at any point. Special features offered by the videodisc system which make it more flexible than TICCIT are motion control, greater audio capabilities, and the lack of need for an external computer.

Descriptors: *Computer assisted instruction; Display systems ; Educational technology; Individualized instruction; Instructional innovation; Instructional media; Technological advancement; *Video cassette systems

Identifiers: TICCIT computer system; *Videodisc recordings; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

706381 ED-157 516

Motivations and Deterrents to Educational Use of [redacted]

Eastwood, Jr. Lester F.

Washington Univ., St. Louis, MO. Center for Development Technology.

Sponsor: National Inst. of Education, Washington, DC.

[redacted]

Sponsored in part by National Inst. of Education, Washington, DC. Best copy available.

Available from ERIC Document Reproduction Service, Arlington, VA. 22210, PC$3.50, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7914

The 'intelligent videodisc'--a combination of advanced microprocessor, display, and storage technology--holds the potential for developing into a powerful instructional delivery system. In an inexpensive package, it could combine advanced computer-aided instruction (CAI) software power and display capability for audio, video, and textual programming. Although it is attractive technically, this system's real contribution will be that CAI will fit the institutional structure of education for the first time. In contrast to existing CAI systems, this small-scale device could be purchased locally. Another unique attribute of this technology is its potential attractiveness to consumers. Despite these advantages, this new technology will face some of the same traditional barriers that have doomed other systems. It is likely that many teachers will retain their unwillingness to innovate using technology. Tight budgets will remain because of shrinking student populations and voter apathy. High cost might restrict software availability. This paper could serve as a platform for a discussion of needs and opportunities for a Federal role in promoting educational utilization of this system.

Descriptors: *Computer assisted instruction; Cost effectiveness; Diffusion; *Educational innovation; Educational technology; Individualized instruction; Instructional systems; Problems; Video tape recordings

Identifiers: *Videodisc recordings; NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

705190 PB-293 053/5

Telecommunications for Concerned Citizen Involvement: A Plan

Oklahoma State Dept. of Institutions, Social and Rehabilitative Services, Oklahoma City. Rehabilitative and Visual Services Div.

Sponsor: Rehabilitation Services Administration, Washington, DC.

Report No.: MONO-1

Sep 78 84p

Languages: English

NTIS Prices: PC A05/MF A01

Journal Announcement: GRAI7913

Contract No.: RSA-12-57999

The report examines a project developed for the purpose of obtaining meaningful consumer involvement in vocational rehabilitation policy development for the state of Oklahoma. The proposed project envisions the use of the statewide educational 'Talkback Television' system as a technique for maximizing the quality and coverage of consumer input and feedback. Explanations and descriptions of the project plans, organization, and procedures are presented in the report.

Descriptors: *Telecommunication; *Citizen participation; *Handicapped persons; Technology assessment; Resource allocation; Organization theory; Television systems; Teletypewriter systems; Consulting services; Consumers; Project planning; Feedback; Research; Attitude surveys; Evaluation; Legislation; Questionnaires; Oklahoma; Decision making; Policies

Identifiers: Advisory committees; Educational television; NTISHEWRSA

Section Headings: 5A (Behavioral and Social Sciences--Administration and Management); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45D (Communication--Sociopolitical); 91D (Urban and Regional Technology and Development--Communications); 92A (Behavior and Society--Job Training and Career Development)

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690123 ED-152 276

~~Computers in a Learning Society.~~ Testimony given before the House Science and Technology Subcommittee on Domestic and International Planning, Analysis, and Cooperation, Washington, DC., October 13, 1977

Brown, John Seely ; Goldstein, Ira

13 Oct 77 17p

Available from ERIC Document Reproduction Service, Arlington, VA. 22210, PC$1.67, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7907

A revolution that will transform learning in our society, altering both the methods and the content of education, has been made possible by harnessing tomorrow's powerful computer technology to serve as intelligent instructional systems. The unique quality of the computer that makes a revolution possible is that it can serve not only as a cognitive tool but as an active agent, in a way that books and television cannot. In this context, a new paradigm is emerging that will provide computers with an ability to understand the learner by representing problem-solving expertise within the computer, building models of the learner's skills, and communicating in English rather than programming languages. Three prototypes are discussed which manifest some of the capabilities that could be realized in tomorrow's learning environment. The first explores a potential transformation of technical education through the computer acting as consultant; the second explores the potential for a fundamental change in educational evaluation through the computer acting as assistant; and the third explores the potential for a renaissance of education in the home through the computer acting as coach.

Descriptors: Artificial intelligence; *Computer assisted instruction; Computers; Educational assessment; Futures(Of society); Home instruction; *Instructional systems; Man machine systems; On line systems; Public policy; Simulators; Technical education

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

688730 PB-288 540/8

Libraries and the Consumer Communications Reform Act

(Final rept.)

Crowder, R. Marshall

National Bureau of Standards, Washington, DC.

Corp. Source Codes: 240800

Sep 78 17p

Pub. in Jnl. Libr. Autom., v11 n3 p206-222 Sep 78.

Languages: English Document Type: Journal article

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7906

The communications industry is heavily shaped by decisions of the Federal Communications Commission (FCC) and its counterpart commissions in the various states. Responding to liberalized regulations that allowed increased competition, A T & T and other independent carriers supported a bill in the last session of Congress called the Consumer Communications Reform Act (CCRA), familiarly known as the Bell Bill. Although the bill was never acted on, and the focus of congressional attention is now on the Communications Act of 1978, it is important to understand the issues that the bill addressed. This article reviews the history of federal regulation in the communications industry, places the Bell Bill in some historical perspective, and relates the significance of activities in the regulatory sphere to the concerns of libraries.

Descriptors: *Libraries; *Telecommunication; Regulations; Legislation

Identifiers: *Consumer Communications Reform Act; Bell Bill; Communications networks; Reprints; NTISCOMNBS

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5D (Behavioral and Social Sciences--History, Law, and Political Science); 88B (Library and Information Sciences--Information Systems); 45A (Communication--Policies, Regulations, and Studies); 70F (Administration and Management--Public Administration and Government)

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682686 ED-149 721

Community Thinkers' Tournaments for Coordinating Other Community Resources to Complement the Educational Function of Schools

Allen, Layman E.

Jun 77 10p

Paper presented at the International Simulation and Gaming Association Conference (8th), Birmingham, England, July 13-17, 1977.

Available from ERIC Document Reproduction Service, Arlington, VA. 22210, PC$1.67, MF$0.83 Plus Postage.

Languages: English

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7903

A Community Thinkers' Tournament uses existing communications and instructional gaming technology to make available to participating community members a learning network for enhancing fundamental reasoning skills. Experience with this program, as it has operated in Ann Arbor, Michigan and the Watts area of Los Angeles over a two-year period, shows the potentialities of learning networks for complementing the educational activities of schools. Participants call each other on the telephone and play any of the current games. They can also form into teams with the winning team honored on a weekly basis. It is expected that it will shortly be possible to introduce the computer into these learning networks and further increase their educational potential.

Descriptors: Community education; *Computer assisted instruction; Computer oriented programs; Delivery systems; Educational games; *Educational programs; Educational resources; Futures(Of society); Home instruction; Telephone communication systems; Telephone instruction

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

681778 PB-286 762/O

Information Economy. Volume 1. Definition and Measurement

Porat, Marc Uri

Office of Telecommunications, Washington, DC.

Sponsor: National Science Foundation, Washington, DC. Applied Science and Research Applications.

Report No.: OT-SP-77-12(1); NSF/RA-770625

May 77 268p

See also Volume 2, PB-286 763.

Also available in set of 9 reports PC E19, PB-286 761-SET.

Languages: English

NTIS Prices: PC A12/MF A01

Journal Announcement: GRAI7902

Contract No.: NSF-APR76-09015

The nine-volume series examines one aspect of the impact of science, commerce and technology on the American society. The goals of the study were to define and measure an 'information activity' in the U.S. economy; to examine the structure of the information activity with respect to the rest of the economy; and to discuss what it means for the U.S. to evolve from an economy that is based primarily in manufacturing and industry to one that is based primarily in knowledge, communication and information. Volume one contains the executive summary and the major findings of the study. It defines information activity and includes a formal set of National Income and Product Accounts for the primary and secondary information sectors, with input-output matrices for both of these sectors. In addition, it specifies the information-related occupations of both the primary and secondary information sectors; this includes a consideration of private and public bureaucracies. Finally, it presents lists of information policy issues pertaining to industry, government, and the home and makes two recommendations as to how the Federal government might meet the public policy issues posed by the expansion of the information activity.

Descriptors: *Information; *Information services; *Information systems; *Industries; *Economics; *Economic impacts; States(United States); Technology transfer; Technology; Matrices(Mathematics); Gross national product; Commerce; Telecommunications; Mass communications; Public relations; Government policies; Input; Output

Identifiers: *Information dissemination; *Information vendors; *Information exchange systems; National income and product; Occupational employment matrix; Economic sectors; Public policy; *Economy; Economic policy; NTISNSFRA; NTISCOMTEL

Section Headings: 5C (Behavioral and Social Sciences--Economics); 5B (Behavioral and Social Sciences--Documentation and Information Technology); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics); 88C (Library and Information Sciences--Marketing and User Services); 45GE (Communication--General)

680010 PB-286 609/3

Telecommunications for Metropolitan Areas: Opportunities for the 1980's

(Final rept)

National Research Council, Washington, DC. Committee on Telecommunications.

Sponsor: Department of Commerce, Washington, DC.

Report No.: NRC/TELECOM-78/1

Aug 78 120p

See also report dated Apr 77, PB-265 960.

Languages: English

NTIS Prices: PC A06/MF A01

Journal Announcement: GRAI7901

Contract No.: C-5-35616

The report identifies for the urban service planner and administrator ways in which telecommunications technology could improve delivery of health care, educational services, welfare programs, law enforcement, citizen safety, energy management and conservation, electromagnetic spectrum management, fire protection, transportation, housing, and postal services. The report urges that a demonstration project be undertaken so the potential for improved delivery of public service to the home can be tested and shown viable. The report also recommends that nationwide implementation of 911 emergency services be encouraged, by legislation, if necessary. In mobile communications, no single mobile system or approach is likely to provide a universal, optimal solution, but several new developments in technology will permit more efficient use of the frequency spectrum. To enhance the individual's sense of personal security, the report recommends some preliminary experiments of community security telecommunciations networks, using simple equipment and operated by the community members themselves. In energy conservation and management, the report concludes that telecommunications has several peripheral but potentially significant roles, such as transmitting demand and pricing information between consumer and utility, and facilitating marketing and transfer of bulk power.

Descriptors: *Telecommunication; *Metropolitan areas; Requirements; Technology; Urban planning; Mobile equipment; Energy conservation; Management; Availability; Residential sector

Identifiers: Public services; NTISNASNRC; NTISCOMTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45A* (Communication--Policies, Regulations, and Studies); 91D* (Urban and Regional Technology and Development--Communications)

679877 PB-286 348/8

[redacted]

Simpkins, John D. ; McFarland, William ; Larsen, Gregory N. ; Brenner, Donald J. ; Lindberg, Donald A. B.

Missouri Univ.-Columbia. Health Services Research Center/Health Care Technology Center.

Sponsor: National Center for Health Services Research, Hyattsville, MD.

Report No.: UMC/HCTC/D-002

Mar 78 77p

See also PB-286 347.

Languages: English

NTIS Prices: PC A05/MF A01

Journal Announcement: GRAI7901

Contract No.: PHS-HS-02569; PHS-MB-00188-02

Microprocessor computer technology quite likely will have a significant impact on continuing education for health practitioners within the next five years. The formal educational programs are likely to become superimposed on, and made possible by, the successful and wide-spread marketing of these devices as individual consumer items and as small [redacted] Even the programs overtly committed to computer-aided instruction (CAI) in medicine appear substantially rooted in the now-aging technology of large time-sharing central computers. A determined move now on the part of medical educators could change the course of the technology flow to benefit patients and the health professions. Action is needed to orient formal CAI programs toward continuing medical education (CME) and to orient the CME programs somewhat more strongly toward the personal computer.

Descriptors: *Health manpower education; *Continuing education; Data processing; Computer applications; Recommendations

Identifiers: *Computer aided instruction; Microprocessors; NTISNIHNLM

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 92D (Behavior and Society--Education, Law, and Humanities)

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676551 HRP-0024885/6

Telehealth -- Support for the Isolated Health Care Provider

Halpern, Sylvia ; Rappaport, Wanda
MITRE Corp., McLean, Va.
1978 4p
Pub. in Commitment v3 n2 p28-31 Spring 78.
Document Type: Journal article
NTIS Prices: Not Available NTIS
Journal Announcement: GRAI7826

The benefits of telecommunications in facilitating access to health care in isolated areas and in offering educational programs for both providers and patients are discussed. Demonstration projects initiated by the National Center for Health Services Research are described including slow-scan television links and mobile vans equipped with radio-telephones. The most obvious rewards of an operating telecommunications system are those that improve patient care directly and immediately. The goals of a telehealth program are to facilitate the exchange of medical information over long distances, to make specialized health care available in isolated communities, and to make rural practice more appealing to health care providers by reducing their professional detachment. The opportunity to observe lectures and conferences, participate in grand rounds, or take a variety of medical education courses is beneficial. Telecommunications technology can also be used to improve health care services through the computer management of patient records. The two types of equipment used for visual communication in telehealth programs are those requiring a broadband spectrum of radio frequencies for transmission and those using a narrowband spectrum. The applicability of telecommunications to rural or isolated areas is discussed.

Descriptors: Consumer health education; Counseling; Health care services; Health care technology; *Health education; Health manpower education; Health occupations; Innovations; Medical services; Patient education; Personal health services; Rural health services; Social services

Identifiers: HRP/HA; HRP/ZC; HRP/KK; HRP/PA; HRP/PBA; HRP/KLA; HRP/KPFA; HRP/KE; HRPGEO/YNO; HRPOCC/X; Reprints; *Telemedicine; Telecommunication; Communication network; Goals ; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44H (Health Planning and Health Services Research--Health Care Technology)

675212 PB-285 614/4

Remote Employment of the Physically Handicapped

Multisystems, Inc., Cambridge, Mass.
Sponsor: National Science Foundation, Washington, D.C. Applied Science and Research Applications.
Report No.: NSF/RA-780199
May 78 110p
NTIS Prices: PC A06/MF A01
Journal Announcement: GRAI7825

This report is directed to the overall feasibility of employing physically handicapped people in their homes. The concept of home employment of the handicapped is an attempt to solve an often-cited and long-recognized societal problem in significant new ways using telecommunications. The handicapped employee would have a computer terminal at home which would be used to perform work on a computer located at the employer's place of business or elsewhere. Ordinary telephone lines can be used for data telecommunications. Through telecommunications, large numbers of permanently and temporarily disabled people could potentially be employed. Existing computer technology is adequate to support this type of employment and is available at reasonable cost. An analysis of costs and benefits of the technology is given, and problems with remote employment are discussed.

Descriptors: *Handicapped persons; *Employment; Telecommunication; Computer programming; Specialized training; Productivity

Identifiers: NTISNSFRA

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 5K (Behavioral and Social Sciences--Sociology); 70D (Administration and Management--Personnel Management, Labor Relations, and Manpower Studies); 92C (Behavior and Society--Social Concerns); 91K (Urban and Regional Technology and Development--Social Services)

674680 PB-284 694/7

Two-Way Cable Television: An Evaluation of Community Uses in Reading, Pennsylvania. Volume 2

(Final rept.)

Eckert, Mary ; Gritzer, Glenn ; Kennedy, Louanne ; Menzel, Herbert

New York Univ., N.Y. Graduate School of Public Administration.

Sponsor: National Science Foundation, Washington, D.C. Applied Science and Research Applications.

Report No.: NSF/RA-780112

Apr 78 573p

See also summary rept. PB-283 601.

NTIS Prices: PC A24/MF A01

Journal Announcement: GRAI7825

Contract No.: NSF-APR 75-14311-A02

The report presents the results of a before and after survey conducted to evaluate the capacity of two-way cable television to improve the competence of senior citizens as consumers of social services. The communications system was based on three communication centers, a two-way television cable link between them, and reception of the resulting signal on the television screens of selected homes. The eight general hypotheses which guided the research are described, and findings relevant to each one are reported. The overall research design and sampling plan, and the manner in which both were fulfilled, is discussed, as are the achieved sample and its major component sub-samples in terms of crucial background variables. The awareness of, participation in, and recreation to the system by the elderly is examined. The interview guides used and the data collection reports furnished by the interviewing sub-contractor are reproduced. [redacted]

Descriptors: *Closed circuit television; *Social services; Elderly persons; Citizen participation; Communicating; Pennsylvania; Delivery; Television systems

Identifiers: *Cable television; Interactive systems; Reading(Pennsylvania); Test and evaluation; NTISNSFRA

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45C (Communication--Common Carrier and Satellite); 91K (Urban and Regional Technology and Development--Social Services); 92C (Behavior and Society--Social Concerns)

674403 ED-148 323

The Optical Nation

Rubin, Philip A.

Corporation for Public Broadcasting, Washington, D.C.

4 Aug 77 14p

Statement presented before the Subcommittee on Communications of the United States House of Representatives (Washington, D.C., August 4, 1977); Document may not reproduce clearly due to color of background.

Available from ERIC Document Reproduction Service, Arlington, Va. 22210, PC$1.67, MF$0.83 Plus Postage.

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7825

If the Corporation for Public Broadcasting (CPB) is eventually to serve all citizens with public radio and television, technological and regulatory innovation will be required. Service to rural America and service to specific groups within urban areas cannot be accomplished within the limits of existing technology and existing spectrum allocation policy. Improved service can come from several areas. Cable, video cassettes, and discs can be new spectrums for new audiences. Cable can recreate the entire spectrum as many times as there are cables, but now it is too expensive for complete nation-wide coverage. Video cassettes and discs are spectrums of a sort which can relieve problems of scheduling and transmission in the airways. Yet they, and the equipment needed with them are expensive, bulky, and not widely used. Communication satellites have three potential uses toward expanding the broadcasting spectrum. In order of increasing complexity and cost, these are the provision of: (1) network service to television stations, (2) signals to unattended 'ministations' located in remote areas of the country, and (3) signals to individual home receivers. The spectrum is the critical element to the existence and expansion of public service. The current problems of the UHF band and the FM spectrum will be solved through the development and integration of new satellites, an increased efficiency in any present spectrum usage, and a commitment to today's stations.

Descriptors: *Broadcast industry; Broadcast television; Cable television; *Communication satellites; Innovation; *Media technology; *Minority groups; Radio technology; *Rural development; Technological advancement; Video cassette systems

Identifiers: Corporation for Public Broadcasting; NTISHEWERI

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45D (Communication--Sociopolitical)

673622 PB-284 718/4

The Significance of Telecommunications as a Partial Substitute for Transportation

(Final rept.)

Wells, Marty ; Tolle, John E.

Carnegie-Mellon Univ., Pittsburgh, Pa. Transportation Research Inst.

Sponsor: Urban Mass Transportation Administration, Washington, D.C.

Report No.: UMTA-PA-11-0013-78-1

Sep 76 132p

NTIS Prices: PC A07/MF A01

Journal Announcement: GRAI7824

Contract No.: UMTA-PA-11-0013

The major objective of the research is to determine the feasibility of using existing communications technology to prevent the need for many of the Central Business District (CBD), inter-office business trips made in the Pittsburgh, Pennsylvania area. The effect these technologies may exercise on future urban form and travel patterns is also examined, as various types of communication systems, their use, cost-effectiveness, advantages/disadvantages, and short and long-term forecasting as to present and future changes are discussed. The work trip offers the greatest potential for relieving congestion and associated costs, and since two out of five trips within the urban area (world-wide) are home to work and work to home, the possibilities of reducing peak hour congestion, delays, accidents, and pollution are immense. There are indications that in the future offices may provide suburban branches for the convenience of employees who can work together effectively with picture phones and time-sharing computers. The report addresses the Contact Record Surveys which were developed to present existing trip-making based on a sample of Pittsburgh CBD centers. Results of the questionnaires are analyzed.

Descriptors: *Urban transportation; *Telecommunication; Central city; Travel patterns; Office buildings; Telephone systems; Computers; Questionnaires; Pennsylvania

Identifiers: Pittsburgh(Pennsylvania); Peak hour traffic; Trip generation; Trip sharing; NTISDOTUMT

Section Headings: 13B (Mechanical, Industrial, Civil, and Marine Engineering--Civil Engineering); 17B (Navigation, Communications Detection, and Countermeasures--Communications) ; 91B (Urban and Regional Technology and Development--Transportation and Traffic Planning); 85H (Transportation--Road Transportation); 45D (Communication--Sociopolitical); 91D (Urban and Regional Technology and Development--Communications)

667644 HRP-0017622/2

Telecommunications and Health Services

Blackwell, Deborah J. ; Smith, Ralph Lee

Abt Associates, Inc., Cambridge, Mass.

Sponsor: Office of Telecommunications Policy, Washington, D.C.

[redacted]

NTIS Prices: PC A03/MF A01

Journal Announcement: GRAI7822

Contract No.: DHEW-OS-73-201

Telecommunications have entered more deeply into the fabric of health care delivery than they have into any other field of social service. Telecommunications appear to offer a clear and definite means for implementing a number of changes that are occurring in the pattern of our national health care. A key development is the creation of broadband communication links between and among central hospitals, outlying clinics, health centers, schools and colleges of medicine, and institutions that care for the mentally and emotionally disturbed. A number of uses have emerged that offer interesting and important advantages over existing methods and procedures, e.g. in medical education. The use of telecommunications does present some problems: how funds should be used for equipment and programming and the issue of privacy. This booklet provides cameo descriptions of the telecommunication projects now in operation, divided into several broad categories: 1) teleconsultations; 2) education and training programs; 3) patient education; 4) videotape as a medical/psychiatric tool; 5) computers in health care; and 6) emergency medical networks. A bibliography is also included.

Descriptors: Accessibility; Computer hardware; Consumer health education; Counseling; Data processing systems; Documents; Emergency medical services; Health care services; *Health care technology; Health care; Health education; Health manpower education; Health occupations; Information systems; Innovations; Methodology; Patient education; Personal health services; Social services; Sources

Identifiers: HRP/HA; HRP/ZJ; HRP/PA; HRP/PBA; HRP/TBD; HRP/KC; HRP/TAA; HRP/KLA; HRP/KPFA; HRPGEO/YNO; HRPOCC/X; *Telecommunication; *Health care delivery; Telemedicine; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 44H (Health Planning and Health Services Research--Health Care Technology) ; 45A (Communication--Policies, Regulations, and Studies)

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659895 AD-A055 556/5

Geriometry: A Cumulative Stress/Damage Measurement of Useful Life of Mechanical Systems

Salter, Richard G.

Rand Corp Santa Monica Calif

Corp. Source Codes: 296600

Report No.: RAND/P-5952

Mar 78 9p

NTIS Prices: PC A02/MF A01

Journal Announcement: GRAI7820

It has long been understood in the equipment design and development shops of industry, that the useful life of mechanical systems is consumed by an accumulation of damage due to the broad range of stresses to which the system is subjected. Heretofore, measuring the cumulative damage as a means of assessing the remaining life has been impractical, particularly for mobile systems. The advent of microcomputers now makes it possible to keep a running measure of this damage and to use this measure to help optimize the system's continuing reliability. The name Geriometry has been coined to distinguish this process--the measurement of the system's continuing life expectancy. Used in conjunction with trend assessment of the system condition and performance capability, Geriometry provides the most powerful capability yet applied to manage (and minimize) maintenance resources while maximizing continuing system reliability.

Descriptors: *Life expectancy; Damage; Stresses; *Vehicles; Reliability; Measurement

Identifiers: Geriometry; NTISDODXA

Section Headings: 20K (Physics--Solid Mechanics); 46E (Physics--Structural Mechanics)

658157 ED-142 192

Technology and the Handicapped: Telecommunication Services in the Rehabilitation of the Blind

Fullwood, Nathaniel N.

Office of Human Development, Washington, D.C. Rehabilitation Services Administration.

1977 157p

Report based on conference on Technology and the Handicapped held at Wrightsville Beach, North Carolina, on October 26-29, 1976.

Available from ERIC Document Reproduction Service, Arlington, Va. 22210, PC$8.69, MF$0.83 Plus Postage.

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7819

Contract No.: SRS-45-20619

This report is a collection of twenty papers which focus on the development of a rational and relevant philosophical premise upon which a natural effort can be initiated and pursued to employ technology in services to the handicapped in general and the blind in particular. Special attention was directed to the identification and demonstration of applications of science and technology to the education, training, and employment of the blind. Recommendations are made for program and financial activities to be pursued by state agencies and consumer organizations of the blind in the implementation of a viable technology-based program of rehabilitation. This report is appropriate for introductory-level text for inservice training of rehabilitation staff in the philosophy and aplication of technology and telecommunications in services for the blind.

Descriptors: *Blind; *Educational programs; *Employment programs; Handicapped; Inservice programs; Persuasive discourse; Rehabilitation programs; State aid; *State programs ; *Technology; *Telecommunication

Identifiers: NTISHEWERI

Section Headings: 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 5K (Behavioral and Social Sciences--Sociology); 6E (Biological and Medical Sciences--Clinical Medicine); 57M (Medicine and Biology--Occupational Therapy, Physical Therapy, and Rehabilitation); 92A (Behavior and Society--Job Training and Career Development); 92D (Behavior and Society--Education, Law, and Humanities); 92C (Behavior and Society--Social Concerns); 91K (Urban and Regional Technology and Development--Social Services)

658139 ED-142 170

ATS-6 and State Telecommunications Policy for Rural Alaska: An Analysis of Recommendations

Pittman, Theda Sue ; Orvik, James M.

Alaska Univ., College. Center for Northern Educational Research.

Dec 76 33p

Available from ERIC Document Reproduction Service, Arlington, Va. 22210, PC$2.06, MF$0.83 Plus Postage.

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7819

This paper analyzes thirteen recommendations for media policy making in rural Alaska which were formulated as a product of a study of the educational television aspect of the ATS-6 (Applications Technology Satellite) project in 1974-75. The recommendations, which emphasize local media control, were based on information provided by village residents, consumer committee members, teachers, and program personnel. A brief description of the ESCD/AK (Educational Satellite Communication Demonstration/Alaska) project is provided, including a map of receiving sites and special features of the program such as interaction between program and viewer, capability of transmitting simultaneously in several languages with four different audio channels available, consumer committees, and local utilization aides. The bibliography contains sources of additional information relative to the ESCD/AK project as well as to related ATS-6 projects in Appalachia and the Rocky Mountains.

Descriptors: *Alaska natives; Audience participation; *Communication satellites; Community control; Community involvement; Educational television; English instruction; Health education; Public affairs education; *Public policy; Relevance(Education); Rural areas; *Rural education; Teacher education; Telecommunication; Telecourses

Identifiers: Alaska; Applications Technology Satellite 6; Educational Satellite Communication Demonstration; ATS-6 satellite; NTISHEWERI

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 22B (Space Technology---Spacecraft); 5I (Behavioral and Social Sciences--Personnel Selection, Training, and Evaluation); 45C (Communication--Common Carrier and Satellite); 92D (Behavior and Society--Education, Law, and Humanities)

652914 NTIS/PS-78/0616/9

Microcomputers. Part 4. Process Control Applications (Citations from the Engineering Index Data Base)

(Final rept. for 1970-Mar 78)

Habercom, Jr, Guy E.

National Technical Information Service, Springfield, Va.

Corp. Source Codes: 391812

Jun 78 97p

See also NTIS/PS-78/0609, and NTIS/PS-78/0610.

Document Type: Bibliography

NTIS Prices: PC N01/MF N01

Journal Announcement: GRAI7817

Industrial applications of microcomputers to expedite processes are investigated in these reports gathered in a worldwide literature survey. Such diversified industries as pulp mills, rubber processing industry, chemical plants, metal fabrication plants, and machine shops are researched to ascertain the effectiveness of microcomputers as a process control tool. Comparative analyses of microcomputers and their control systems are made. (Contains 90 abstracts)

Descriptors: *Microcomputers; *Microprocessors; *Process control; *Bibliographies; Computer programming; Microminiaturization; Automatic control; Production control; Abstracts

Identifiers: *Computer applications; NTISNTISEI

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A* (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software); 94GE* (Industrial and Mechanical Engineering--General)

635246 HRP-0016819/5

Evaluation and Measurement -- Some Dilemmas for Health Education

Green, Lawrence W.

Johns Hopkins Univ., Baltimore, Md. Div. of Health Education.

Sponsor: National Center for Health Services Research, Rockville, Md.

Oct 76 7p

Parts of this paper were presented at the American Health Congress, Chicago, 1974; at the Midwest Conference on Health Education sponsored by the Illinois Univ. School of Public Health, Chicago, 1976; and at the Century Forum Lecture, Vermont Univ. Medical School, September 1976.

Pub. in American Jnl. of Public Health v67 n2 p155-161 Feb 77.

Document Type: Journal article

NTIS Prices: Not Available NTIS

Journal Announcement: GRAI7811

Contract No.: PHS-HL-17016

Problems peculiar to health education are discussed; it is apparent that the implementation of programs in communities and institutions presents administrative problems that cannot be solved by rigorously defined protocols. Alternative remedies include better program designs, improved analyses, concrete reporting, and theory building from replicated results. The dilemma of internal versus external validity, or generalizability, from the results of programs is discussed. Although economy in health education can be achieved by aggregating, standardizing, and formalizing health education, economies of scale often are achieved at the expense of effectiveness at the individual level. The use of indigenous workers and former patients as health educators has proven to be cost-effective (particularly with ex-addict counselors). Computer-assisted instruction for training professionals and patients is economical if centers pool their resources. It should be remembered that patient education programming demands shifting emphasis and technique within a patient group or population -- 'different strokes for different folks.' The use of expensive educational methods (counseling, home visits) to reach high-risk patients may be justified in payoff. Alternative criteria for deciding how much to spend are the following: cost/benefit analysis, cost-effectiveness, the range between threshold spending and the point of diminishing returns, and booster spending when behaviorial changes begin to deteriorate.

Descriptors: *Costs; Education; Evaluation; Health care costs; Health care; *Health education; Public health education ; Quality assurance

Identifiers: HRP/PCC; HRP/PDA; HRP/ZK; HRP/DEF; HRP/PCB; HRP/QDA; HRPGEO/YNO; HRPOCC/XJ; Reprints; Health manpower education; Benefit cost analysis; Professional personnel; Computer aided instruction; Instructors; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44P (Health Planning and Health Services Research--Health Education and Manpower Training); 57U (Medicine and Biology--Public Health and Industrial Medicine)

633341 PB-276 775/4
Nursing Home Telemedicine Project. Volume 3. Appendix IV. Survey: Opinions of Nursing Home and Hospital Personnel on the Impact of the Boston City Hospital Nursing Home Telemedicine Program
(Final rept.)
Rogers, Beatrice ; Pendleton, Sylvia
Florence Heller Graduate School for Advanced Studies in Social Welfare, Waltham, Mass. Levinson Policy Inst.
Sponsor: National Science Foundation, Washington, D.C. Research Applied to National Needs.
Report No.: NSF/RA-760283B
Aug 75 108p
See also Volume 1, PB-260 404.
NTIS Prices: PC A06/MF A01
Journal Announcement: GRAI7810
Contract No.: NSF-GI-38110

The Boston City Hospital Telemedicine Program links hospital to nursing home through a health care team, consisting of a hospital-based internist as a source of medical expertise, and intensively trained Nurse Practitioners (N.P.'s) as agents of primary care delivery to nursing home patients. Consultation and supervision by the physician are provided by telephone communication with the N.P.'s and by telephone-coupled facsimile transceivers. The physician visits the nursing homes to confirm the work of the N.P.'s, to take care of urgent cases, and to meet with N.P.'s to discuss all patients. An independent opinion survey of the administrators and staff of the participating nursing homes and the hospital personnel interacting with the program was conducted. Part 1 of this report deals with the responses of nursing home personnel to certain of these questions dealing with the assimilation of Telemedicine into the nursing home structure and procedures. Also, it addresses the fundamental question of whether, as nursing home staff see it, the Telemedicine Program is a valuable and desirable addition to the system. Part II describes the perceptions of Boston City Hospital administrators and staff whose departments interacted routinely with the Telemedicine group. (Portions of this document are not fully legible)

Descriptors: *Nursing homes; *Hospitals; Telecommunication; Surveys; Responses; Models; Hospital administration; Elderly persons; Patients; Attitudes; Massachusetts; Physicians; Primary health care; Costs; Roles(Behavior); Quality assurance ; Opinions

Identifiers: Boston(Massachusetts); *Telemedicine; Nurse practitioners; Communication networks; Health care teams; Quality assessment; NTISNSFRA

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 44H (Health Planning and Health Services Research--Health Care Technology) ; 45C (Communication--Common Carrier and Satellite)

631526 AD-A049 941/8
Personal Computing
(Master's thesis)
Libuda, Henry Paul
Naval Postgraduate School Monterey Calif
Corp. Source Codes: 251450
Sep 77 79p
Document Type: Thesis
NTIS Prices: PC A05/MF A01
Journal Announcement: GRAI7810

The advent of the LSI microprocessor and inexpensive memory introduces a new field in the computer industry--the field of personal computer applications and small scale computer systems. An entirely new group of manufacturers are marketing microcomputer related items, products that range from computer system kits with peripheral devices to software and literature on the subject. The wide ranging versatility of small scale microcomputer systems has caused a tremendous expansion from what was strictly a hobbyist computer market to growth areas in school educational markets and commercial applications. The costs, capabilities, problems encountered by personal computer enthusiasts, and the future implications of personal computers are investigated. (Author)

Descriptors: *Microcomputers; *Man computer interface; Microprocessors; Industrial production; Compatibility; Computer programming; Civilian population; Consumers; low costs; Theses

Identifiers: Electronics industry; Personal computing systems; NTISDODXA

Section Headings: 9B (Electronics and Electrical Engineering--Computers); 62A (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software)

616969 HRP-0016131/5

Focus on Health Maintenance and Prevention of Illness

1975 136p

Available from Contemporary Publishing, Inc., 12 Lakeside Park, Wakefield, MA 01880.

NTIS Prices: Not Available NTIS

Journal Announcement: GRAI7803

Eighteen essays on the subject of health maintenance and illness prevention are presented. Most of the articles have been condensed and reprinted from journals and other sources. The papers discuss the relation of stress to maladaptive behavior; the effects of air pollution on health; clinical prevention of stroke; the hospital-based battered child team; prevention of drug abuse; and education in human sexuality for health professionals. Also discussed are the characteristics and techniques of behavior therapy and its use in treating obesity; development of a national nutrition policy; teaching patients to live with illness and injury; and a program being developed which focuses primarily on identifying disturbed children, offering treatment at a day care center, and using the nursery staff as primary therapists. The remaining articles examine trace metals and their relation to human health; the application of cable television technology to the delivery of pediatric care; a study which allows a detailed examination of relationships between life events and mental status; the relationship between lifestyle and disease patterns; the relevance of vegetarianism from historical, biological, and contemporary perspectives; a comparison of the effectiveness of public health nurse teaching in groups and in the home; a study of coronary patients and their families; and the role of the infection control coordinator in serving the community hospital.

Descriptors: Therapy; Sociology; Socioeconomic status; Socioeconomic factors; Research; Rehabilitation; Public health ; Projects; *Preventive medicine; Policies; Plans; Pediatrics; Patients; Patient education; Occupational safety and health; Objectives; Methodology; Mental health care; Medical equipment ; Injuries; Hydrotherapy; Health planning; *Health education; Health care; Health care technology; Health care services; Health care delivery; Guidelines; *Environmental health; Diseases; Demography; Counseling; Consumers; Consumer health education; Communities; Children; Child health services; Air pollution; Ailments

Identifiers: HRP/K; HRP/PBA; HRP/KL; HRP/RCB; HRP/CH; HRP/HBA; HRP/HD; HRP/HG; HRP/AA; HRP/GAE; HRP/PA; HRP/HE; HRP/KF; HRP/KQ; HRP/GAA; HRP/CK; HRP/J; HRP/ZJ; HRPGEO/YNO; HRPOCC/XD; HRPOCC/XDL; HRPOCC/XDD; *Health status; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44K (Health Planning and Health Services Research--Health Services); 57U (Medicine and Biology--Public Health and Industrial Medicine); 68G (Environmental Pollution and Control--Environmental Health and Safety)

609581 PB-272 694/1

Technology Assessment of Telecommunications/Transportation Interactions. Volume I. Introduction, Scenario Development, and Policy Analysis

(Final rept.)

Harkness, Richard C.

Stanford Research Inst., Menlo Park, Calif.

Corp. Source Codes: 332500

Sponsor: National Science Foundation, Washington, D.C. Research Applied to National Needs.

Report No.: NSF/RA-770157

May 77

See also Volume 2, PB-272 695.

Also available in set of 3 reports PC E17, PB-272 693-SET.

NTIS Prices: PC A09/MF A01

Journal Announcement: GRAI7726

Contract No.: NSF-C1025; SRI-4293

This technology assessment identified and analyzed the social, economic and environmental consequences of possible future changes in the relationships between telecommunications and transportation. Scenarios were used to describe these changes. Effort was focused on three types of scenarios: (1) audio or audio-video teleconferencing as a substitute for face-to-face meetings and business travel by air or auto, (2) increased decentralization of office employment from city centers to suburban locations resulting from more teleconferencing and thus less need for physical agglomeration, and (3) office employees using terminals to work at home or in neighborhood office centers near home. The scenarios were found to have significant implications for energy conservation, urban development, commuting, mass transit, job accessibility for persons unable to commute, communications within organizations, residential locational freedom, the telecommunications industry, the airline industry, and other areas. This concept of moving information to people is offered for widespread consideration by planners, policy-makers, industry, and the public.

Descriptors: *Telecommunication; *Travel demand; Commerce; Technology assessment; Substitutes; Interactions; Scenarios; Environmental impacts; Economic impact; Social effect; Urban development; Transportation; Government policies

Identifiers: *Teleconferencing; NTISNSFRA; NTISSRI

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45A (Communication--Policies, Regulations, and Studies); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics); 85GE (Transportation--General)

BEST COPY AVAILABLE

591370 HRP-0004562/5

Task Force Report on Emergency Medical Services

Areawide Health Planning Organization, Oklahoma City, Okla. Community Council of Central Oklahoma.

Mar 75 67p

NTIS Prices: PC A04/MF A01

Journal Announcement: GRAI7719

Emergency medical services in the Oklahoma City, Oklahoma, planning area are surveyed. The components of service include manpower, training, communications, transportation, facilities, critical care units, public safety agencies, consumer participation, accessibility of care, transfer of patients, standard medical recordkeeping, consumer information and education, evaluation, disaster planning, and mutual aid agreements. It is found that the number and capability of ambulance vehicles is close to the desired standards, but that there are no comprehensive central dispatch functions and no single telephone number for reporting emergency situations. Emergency rooms are plentiful and well distributed, but it is noted that this may reduce their effectiveness by spreading limited manpower too thinly. Response times are estimated to be within 6 minutes in urban areas and between 15 and 20 minutes in rural areas. There is no standard system for classifying and transferring patients, and medical records are not uniform between ambulance companies and hospitals. Agreements between the hospitals and ambulance companies for equipment exchange have not been used, resulting in much ambulance waiting time for equipment release. Recommendations are made concerning training of emergency health manpower, improvement of the communications systems, reduction in the number of emergency rooms, and development of consumer information and education systems. The survey guides, the standards of measure, and an inventory of services are appended.

Descriptors: Transportation; Telecommunication; State regions; Radio communication; Plans; Oklahoma; Methodology; Medical records; Health resources; Health related organizations; Health occupations; Health education; Health care; Health care utilization; Health care technology; Health care services; Health care facilities; Health care delivery; Government agencies; *Emergency medical services; Development; Data processing; Consumers; Communications networks; Ambulances; Allied health personnel

Identifiers: HRP/KC; HRP/ZJ; HRP/NDA; HRP/HK; HRP/MDF; HRP/PB; HRP/TBCA; HRP/MEA; HRP/JAFA; HRPGEO/YOK; HRPGEO/YCN; HRPOCC/XE; *Oklahoma City(Oklahoma); Urban areas; Rural areas; Recommendations; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44K (Health Planning and Health Services Research--Health Services); 91F (Urban and Regional Technology and Development--Health Services)

583402 AD-A039 704/2

The Structure, Conduct and Performance of the United States Telecommunications Industry

(Master's thesis)

Mayo, Richard Walter ; Wittmann, William Warren

Naval Postgraduate School Monterey Calif

Corp. Source Codes: 251450

Mar 77 227p

Document Type: Thesis

NTIS Prices: PC A11/MF A01

Journal Announcement: GRAI7716

This thesis effort is a study of domestic telecommunications industry with specific emphasis upon the principal publicly regulated telephone and telegraph utilities, American Telephone and Telegraph and Western Union respectively. The principal elements of the study will concern market structure, market conduct and market performance of the telecommunications utilites. In particular, a significant amount of attention will be directed towards such subjects as vertical integration, antitrust policy, technology and innovation, and the FCC's current studies towards limited competition within the industry. Concluding work will focus on DOD's role as a consumer of telecommunication services and facilities and its potential influence with regard to changing or maintaining the status quo of the domestic telecommunications industry. An historical survey of the industry's development will precede the analysis. (Author)

Descriptors: *Telecommunication; *Industries; *Public utilities; Economics; Marketing; Performance; Telephone systems; Telegraph systems; History; United States; Department of Defense; Efficiency; Theses

Identifiers: *Telecommunications industry; NTISDODXA

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45A (Communication--Policies, Regulations, and Studies); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics)

579058 SHR-0000084

National Invitational Conference on Computer Assisted Information and Referral Systems

Department of Housing and Urban Development, Washington, D.C. Urban Information Systems Inter-Agency Committee.

14 Nov 73 130p

NTIS Prices: PC A07/MF A01

Journal Announcement: GRAI7714

The proceedings of the National Invitational Conference on Computer-Assisted Information and Referral Systems, held November 12-14, 1973, in Long Beach, California, and sponsored by the Urban Information Systems Inter-Agency Committee, are described. The conference was held to facilitate the exchange of ideas and information among those actively involved in planning and operating information and referral systems and those involved in human services activities at the Federal level. Each of eight working groups was assigned the following three tasks: (1) to construct an operating definition of information and referral; (2) to construct an operating definition of computer-assisted information and referral; and (3) to examine the political and technical factors which affect development of computer-assisted information and referral systems and to identify those factors operating for and against such a system. Topical working groups were divided into two categories: management-oriented and technically oriented. Management topics include: how communities can finance computer-assisted information and referral; the uses of computer-assisted information and referral data; how consumer use of information and referral can be increased; and confidentiality of data. Technical sessions dealt with data needs, automation techniques, classification systems, and data storage and retrieval methods. It is noted that participants felt that they could perform information and referral better than the Federal government, but that Federal guidance, coordination, and technical support is needed. Appendices present the proceedings of each working group; presentations on telecommunications technology applied to human services, Federal information centers, the SEARCH Automated Information and Referral System, the Chattanooga Human Services Delivery System, and the Information Center of Hampton Roads; and lists of conference participants.

Descriptors: *Social services; Services; Referral; Organizing; Methodology; Management; Management systems; Management information systems; Interrelationships; Interactions; Integration; *Information systems; Flow control; Direct services; Delivery; Core services; Coordination; Consumers; Communicating; Clients; Cases

Identifiers: NTISHEWSHR

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 5K (Behavioral and Social Sciences--Sociology); 88B (Library and Information Sciences--Information Systems); 92C (Behavior and Society--Social Concerns); 91K (Urban and Regional Technology and Development--Social Services)

578500 HRP-0011555/0

Comprehensive Health Planning, 1974 - 1975

Genesee Region Health Planning Council, Rochester, N.Y.

1975 258p

NTIS Prices: PC A12/MF A01

Journal Announcement: GRAI7714

A progress report on the accomplishments of the Genesee Region Health Planning Council in Rochester, New York, during 1973 and 1974 is presented, and the work program planned for 1975 is detailed. Accomplishments of the council relate to migrant health programs, home care programs, rehabilitation services, the development of a regional emergency medical services communications system, the design and funding of primary care delivery programs in areas underserved by physicians, and monitoring and evaluation of projects. The planned work program for 1975 is concerned with chronic care, hospital care, ambulatory care, mental health and retardation, alcoholism, and environmental health. Supportive areas included in the planned work program are community participation and education, public information, public policy, research and data, review, and manpower. Actions taken by counties served by the Genesee Region Health Planning Council are summarized. The counties are Monroe, Livingston, Orleans, Ontario, Seneca, Wayne, Yates, Chemung, Schuyler, and Steuben. The Federal grant application made by the Genesee Region Health Planning Council is included.

Descriptors: Toxic diseases; Telecommunication; Strategy; Statistical distributions; State regions; State government; Social services; Radio communication; Projects; Poisons; Plans ; Patients; Participative management; Occupational safety and health; New York; Methodology; Mental health; Management methods; Long term care; Local government; Local councils; Inpatients; Implementation; Home nursing; Health resources; Health related organizations; Health planning; Health planning agencies; Health manpower; Health care; Health care technology ; Health care services; Health care facilities; *Health care delivery; Health care delivery organizations; Grants; Funds; Financing; Evaluation; Environmental health; Emergency medical services; Development; Detoxification; Demography; Community relations; Communities; Communications networks; Areas; Area; Annual; Ambulatory health care; Agencies; Acute care

Identifiers: HRP/JAD; HRP/ZA; HRP/ADA; HRP/KN; HRP/MCA; HRP/JB; HRP/HK; HRP/JAFA; HRP/KAA; HRP/KAB; HRP/KB; HRP/KPC; HRP/GA; HRP/MA; HRP/CF; HRP/MDF; HRP/MDE; HRP/MDH; HRP/MEN; HRP/UBA; HRP/UEBA; HRP/MBBA; HRP/BB; HRP/AEA; HRP/ADAA; HRP/JAB; HRPGEO/YNY; HRPGEO/YCN; HRPOCC/XZ; *Rochester(New York); *Comprehensive health planning; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44J (Health Planning and Health Services Research--Health Delivery Plans, Projects, and Studies); 44A (Health Planning and Health Services Research--Planning Methodology)

49

575441 PB-265 709/6

Towards Improved Methods of Analyzing Policy Issues Related to Interstate Telephone Services

Battle, C. Tucker ; Gardner, C. Patrick ; Dietrick, Laurie J. ; Lucas, Gary L.

System Planning Corp., Arlington, Va.

Corp. Source Codes: 406932

Sponsor: Office of Telecommunications, Boulder, Colo. Policy Research Div.

Report No.: SPC-278

28 Feb 77 128p

NTIS Prices: PC A07/MF A01

Journal Announcement: GRAI7713

Contract No.: C-5-35634; NBS-9077481

The regulation of a multiservice firm or group of firms such as those which make up the interstate telephone system is a complex undertaking. It has been proposed that issues related to pricing telecommunications services and industry structure be analyzed by maximizing the sum of consumers' surplus and producers' surplus, subject to certain constraints. The report describes three important additional steps in the process of implementing and extending the analysis of regulatory pricing issues. First, the approach is broadened to include objective functions other than total surplus; second, procedures are developed for estimating the coefficients of cross-elastic demand functions for interstate telephone services; and third, preliminary estimates of the demand coefficients for a seven-service representation of interstate telephone services are developed from material filed in support of rate changes by the American Telephone and Telegraph Company (AT&T).

Descriptors: *Telephone systems; *Rates(Costs); Telecommunication; Cost analysis; Tariffs; Regulations; Optimization

Identifiers: NTISCOMTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45A (Communication--Policies, Regulations, and Studies); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics)

572147 PB-265 080/2

A Pricing Model for Interstate Telephone Services

(Final rept.)

Battle, C. Tucker ; Finucane, James S. ; Lucas, Gary L. ; MacDonald, Bruce W.

System Planning Corp., Arlington, Va.

Corp. Source Codes: 406932

Sponsor: Office of Telecommunications, Boulder, Colo. Policy Research Div.

Report No.: SPC-217

30 Jun 76 113p

NTIS Prices: PC A06/MF A01

Journal Announcement: GRAI7712

Contract No.: C-4-35591

Problems of pricing and issues related to industry structure in the tele-communications industry are analyzed by maximizing the sum of consumers' surplus and producers' surplus, subject to certain constraints. Appropriate forms of the demand and cost functions are defined and the integral expression for consumers' surplus is developed. Linear demand and cost functions are defined and closed-form solutions are found to be one of the standard problems. It appears that the SUMT algorithm is a useful computational aid for solving problems which are not solvable in closed-form. It appears that data filed in support of, and in opposition to, various interstate tariff revisions will be useful, primary sources of data. Finally, an example problem associated with the proposed rates for the American Telephone and Telegraph Company's (AT and T) Digital Data Service (DDS) is formulated and solved in order to explore further practicalities of the approach. It is concluded that the consumers' surplus approach can be profitably applied to interstate telecommunications policy issues. While certain theoretical, structural and data availability problems remain, it appears that the approach is ready to be used to perform an in-depth analysis of a carefully selected policy issue.

Descriptors: *Telephone systems; *Prices; *Economic models; *Data transmission; Allocation models; Demand(Economics); Pulse communication; Digital systems; Surpluses; Industries; Rates(Costs)

Identifiers: Interstate commerce; NTISCOMTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45C (Communication--Common Carrier and Satellite); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics)

550674 PB-261 396/6

Evaluation Studies. Southeast Ohio Emergency Medical Services Demonstration Project

(Final rept.)

Lanese, Richard R. ; Keller, Martin D.

Ohio State Univ., Columbus. Dept. of Preventive Medicine.

Corp. Source Codes: 267230

Sponsor: Bureau of Medical Services, Hyattsville, Md. Div. of Emergency Medical Services.

1976 567p

NTIS Prices: PC A24/MF A01

Journal Announcement: GRAI7706

The approach that was taken to the evaluation of the Southeast Ohio Emergency Medical Services Demonstration Project was generally that of evaluation as a social experiment. In this instance the evaluation dealt with a health program specifically aimed at the prevision of emergency medical services. In the evaluation of health programs or any social experiment, base-line information is obtained regarding the status of key variables before the program is underway. Consequently, the following six studies were undertaken: (1) Resource and utilization data; (2) household interview surveys; (3) evaluation of trauma care; (4) simulation of the system; (5) evaluation of community education activities; (6) communications component.

Descriptors: *Emergency medical services; Health education; Consumer affairs; Evaluation; Ohio; Rural areas; Surveys; Health care delivery systems; Tables(Data); Health resources; Utilization; Interviews; Simulation; Telecommunication

Identifiers: Health consumers; NTISHSAEMS

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44J (Health Planning and Health Services Research--Health Delivery Plans, Projects, and Studies)

548293 PB-260 405/6

Nursing Home Telemedicine Project. Volume 2. Collected Appendices

(Final rept)

Boston City Hospital, Mass.

Sponsor: National Science Foundation, Washington, D.C. Research Applied to National Needs.

Report No.: NSF/RA-760283

1976 167p

See also Volume 1, PB-260 404.

NTIS Prices: PC A09/MF A01

Journal Announcement: GRAI7705

Contract No.: NSF-GI-38110

A hospital-based 'telemedicine' system has been established at Boston City Hospital to provide higher quality and more accessible medical care to nursing home patients. The system contains the basic components of: (1) a center of medical expertise and technology (Boston City Hospital); (2) nurse practitioners; (3) a communication system; and (4) a transportation system. This report consists of the following appendices: (1) the nurse practitioner in a nursing home telemedicine system; (2) nursing home telemedicine nursing home selection process; (3) data collection forms and code books; (4) digoxin toxicity in nursing homes--a prospective study; (5) contract between the Trustees of Health and Hospitals of the City of Boston, Inc. and the Department of Public Welfare, Commonwealth of Massachusetts; and (6) index of clinical fragility.

Descriptors: *Nursing homes; *Information systems; Telecommunication; Transportation; Medical services; Hospitals ; Patients; Tables(Data); Ambulatory health care; Massachusetts

Identifiers: Nurse practitioners; Boston(Massachusetts); *Telemedicine; Appendices; Medical information systems; Communication networks; NTISNSFRA

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 5B (Behavioral and Social Sciences--Documentation and Information Technology); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 44T (Health Planning and Health Services Research--Data and Information Systems); 88B (Library and Information Sciences--Information Systems)

548292 PB-260 404/9

Nursing Home Telemedicine Project. Volume I

(Final rept.)

Mark, Roger G. ; Willemain, Thomas R. ; Malcolm, Theresa ; Master, Robert J. ; Clarkson, Thomas

Boston City Hospital, Mass.

Sponsor: National Science Foundation, Washington, D.C. Research Applied to National Needs.

Report No.: NSF/RA-760282

15 Jul 76 184p

See also Volume 2, PB-260 405.

NTIS Prices: PC A09/MF A01

Journal Announcement: GRAI7705

Contract No.: NSF-GI-38110

A hospital-based 'telemedicine' system is established at Boston City Hospital to provide higher quality and more accessible medical care to nursing home patients. The system consists of a team of specially trained nurse practitioners supervised by a hospital-based physician, and utilizes narrow-band telecommunication technology. A study is done to determine its cost effectiveness, and to examine the system in order to provide data that may be applied to other types of telemedicine networks. Results show that the system: (1) reduces the number of hospitalizations and days spent in the hospital by study patients; (2) reduces total costs for medical care; (3) reduces the use of hospital out-patient facilities; (4) causes more sophisticated medical care to be practiced in the nursing homes; and (5) makes medical care more accessible to nursing home patients. The program is generally very well accepted by patients and nursing home professionals. The role of the nurse practitioner seems quite viable, and narrowband communications are completely adequate.

Descriptors: *Nursing homes; *Information systems; Telecommunication; Medical services; Hospitals; Quality assurance; Cost effectiveness; Elderly persons; Patients; Tables(Data); Methodology; Ambulatory health care; Massachusetts

Identifiers: *Telemedicine; Medical information systems; Nurse practitioners; Appendices; Communication networks; Boston(Massachusetts); NTISNSFRA

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 5B (Behavioral and Social Sciences--Documentation and Information Technology); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 44T (Health Planning and Health Services Research--Data and Information Systems); 88B (Library and Information Sciences--Information Systems)

543491 HRP-0010871/2

Emergency Medical Services System

Fourth Planning and Development District Commission, Aberdeen, S. Dak.

Sponsor: Department of Health, Education, and Welfare, Denver, Colo. Div. of Emergency Medical Services.

Mar 75 419p

See also companion document, HRP-0010870.

NTIS Prices: PC A18/MF A01

Journal Announcement: GRAI7704

An analysis of health care services in the Fourth Planning and Development District of South Dakota is presented in an EMS (emergency medical service) system proposal. The EMS delivery proposal examines the methods of providing emergency health care within the district and outlines a proposed method of restructuring resources to provide improved services to all emergency patients. All topics of concern in the proposal, including resources and EMS components, are dealt with in nonspecific narrative form with numerous references to charts and maps for clarification and detailed supporting evidence. Consideration is given in the proposal to the organizational structure of an EMS system, scope and objectives of an EMS program, description of the program area in South Dakota, characteristics of health care in the district, definition and justification of needs, objectives and implementation approach, definition of priorities, commitment and assurance of implementation, and budgetary aspects. Fifteen components of an EMS system are detailed: manpower, training, communications, transportation, facilities, critical care units, public safety agencies, consumer participation, accessibility to care, transfer of patients, standardized patient records, consumer education, evaluation, disaster planning, and mutual aid agreements. The supporting evidence for the EMS system in the fourth district of South Dakota is presented in appendices.

Descriptors: Transportation; Telecommunication; State regions; South Dakota; Reviewing; Research; Radio communication; Quality assurance; Plans; Methodology; Medical records; Health resources; Health manpower; Health education; Health care; Health care utilization; Health care technology; *Health care services; Health care requirements; Health care facilities; Health care delivery; Health care delivery organizations; Feasibility studies; Evaluation; *Emergency medical services; Development; Data processing; Data processing systems; Consumers; Community relations; Communications networks; Comments; Assessments; Ambulances

Identifiers: HRP/JCA; HRP/ZA; HRP/DAD; HRP/KC; HRP/LE; HRP/HK; HRP/JAFA; HRP/NDA; HRP/MCA; HRP/PB; HRP/MDF; HRP/UB; HRP/DE; HRP/TBCA; HRPGEO/YSD; HRPGEO/YCN; HRPOCC/XZ; Health care delivery systems; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44J (Health Planning and Health Services Research--Health Delivery Plans, Projects, and Studies)

535915 ED-124 127

A Government Agency's Program for Collection and Dissemination of Information

Bracken, Marilyn C.

Consumer Product Safety Commission, Washington, D.C.

May 76 11p

Paper presented at the National Information Retrieval Colloquium, Philadelphia, Pennsylvania, May 4-6, 1976.

Available from ERIC Document Reproduction Service, Bethesda, Md. 20014, PC$1.67, MF$0.83 Plus Postage.

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7701

In an effort to help make products safer and to reduce product-related injuries, the Consumer Product Safety Commission relies heavily on consumer participation. To establish regulations, it utilizes the following: (1) an 'Offeror' regulation whereby groups can offer to manage the safety standards development process; (2) a consumer roster which contains the names of individuals interested in participating in standards development; (3) public hearings and meetings; (4) inclusion of more consumer representatives on advisory boards; (5) the consumer deputy program which assists in surveillance activities; and (6) issuance of safety rules on specific products by consumer petition. To collect information concerning injuries, the National Electronic Injury Surveillance System (NEISS) is the major data source. Information also is provided by: (1) a network of telecommunications terminals in hospitals; (2) in-depth studies in selected cases; (3) doctor's office reports; (4) death certificates; and (5) the National Health Interview Survey. To disseminate the information on product safety, public service announcements are sent to radio and television stations, publications are distributed, and specialized information requests are answered by researchers.

Descriptors: Agency role; *Consumer protection; Data collection; *Federal programs; *Information dissemination; Merchandise information; *Safety; Safety education

Identifiers: Consumer Product Safety Commission; NTISHEWERI

Section Headings: 5A (Behavioral and Social Sciences--Administration and Management); 5B (Behavioral and Social Sciences--Documentation and Information Technology); 96D (Business and Economics--Consumer Affairs); 91D (Urban and Regional Technology and Development--Communications)

526366 PB-257 479/6

The Medium and the Telephone: The Politics of Information Resources

Berman, Paul J. ; Oettinger, Anthony G.

Harvard Univ., Cambridge, Mass. Program on Information Technologies and Public Policy.

Report No.: PUB-P-76-5

Jun 76 174p

See also PB-257 478.

NTIS Prices: PC A08/MF A01

Journal Announcement: GRAI7624

The report traces the politics, economics and technology of telecommunications pricing and costing policy using newspaper and television news as a concrete example for probing policy impacts. It outlines a public policy agenda for addressing issues like those raised by the bills for the Consumer Communications Reform Act of 1976. Divided federal-state jurisdiction, renewed competition, rate-setting mechanisms and technological change are among the factors considered. Players are identified as are their stakes and the issues and policy questions they face.

Descriptors: *Information systems; *Government policies; *Telecommunication; Systems analysis; Economic factors; Political objectives; Technology; Prices; Information theory; Public administration; Factor analysis; Mass media; Impact; Data acquisition; Telephone systems; Radio broadcasting; Television broadcasting; Computer programming; Networks

Identifiers: Alternatives; Policy making; *Communications networks; NTISHUPIT

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5B (Behavioral and Social Sciences--Documentation and Information Technology); 9B (Electronics and Electrical Engineering--Computers); 45A* (Communication--Policies, Regulations, and Studies); 91D (Urban and Regional Technology and Development--Communications); 88B (Library and Information Sciences--Information Systems)

523210 BTHE-020317

Fuses: A Multinational Survey

British Standards Institution, Hemel Hempstead (England). Technical Help to Exporters.

1976 57p

Price to members $20.00.

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7623

The survey identifies the types of fuses which are in common use in many countries of the world for the protection of electrical appliances and installations. This will help manufacturers to select the correct types of fuses for incorporation into equipment intended for export. This information has been obtained by visits to most of the countries and by questionnaire in other countries. The survey is not exhaustive and for some countries, such as USSR and China, complete information has not been obtained. The survey does not include fuses for special applications such as telecommunication equipment and automobiles.

Descriptors: *Technical assistance; *Exporting; *Electric fuses; Standards; Wiring; Buildings; Circuits; Miniaturization ; Electrical appliances; Regulations; United States; Europe; USSR; Electrical codes; Great Britain

Identifiers: NTISBSTHE

Section Headings: 5C (Behavioral and Social Sciences--Economics); 9C (Electronics and Electrical Engineering--Electronics and Electrical Engineering); 96C* (Business and Economics--International Commerce, Marketing, and Economics); 96D (Business and Economics--Consumer Affairs) ; 49C (Electrotechnology--Electromechanical Devices)

521859 PB-256 829/3

[redacted]

Corp. Source Codes: 208850

Sponsor: Office of Telecommunications Policy, Washington, D.C.

Report No.: ADL-C-79119

22 Jun 76 153p

NTIS Prices: PC A08/MF A01

Journal Announcement: GRAI7622

Contract No.: TP-6AC017

This report provides a set of five scenarios illustrating some of the impacts, conflicts, issues, and changes that might arise during the next 15 years from the interaction between technological innovation in telecommunications and the social context in which it occurs. This context includes the national economy, political framework, industrial structure, international relations, and personal life styles.

Descriptors: *Telecommunication; *Social effect; *Technology innovation; Forecasting; Interactions; Industrial relations; Labor relations; Consumer affairs; Quality of life; Regulations; International relations; Taxes; Networks; Economic impact

Identifiers: Scenarios; Hypothetical futures; NTISEXOTP

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5K (Behavioral and Social Sciences--Sociology); 92C* (Behavior and Society--Social Concerns); 45GE (Communication--General)

54

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509063 HRP-0008017/6

Quality of Information in Mass Media: A Barrier to the Dental Health Education of the Public

Frazier, P. Jean ; Jenny, Joanna ; Ostman, Ron ; Frenick, Charles

Minnesota Univ., Minneapolis.

Sponsor: Model Cities Program, Minneapolis, Minn.

1974 14p

Pub. in the Jnl. of Public Health Dentistry v34 n4 p244-57 1974.

Document Type: Journal article

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7617

The findings of a study are reported which was designed to examine the quality of dental care health - related information available to the public through both planned and incidentally presented editorial and commercial messages by mass media. Dental health - related contents of television, magazines, and newspapers were collected for one week and the items collected were then analyzed. A sample of 840 items was obtained from three facets which affect oral conditions: oral hygiene in regard to dentrifices, mouthwashes, breath fresheners, and teeth whiteners; foods containing sucrose such as cakes and candy; and products for dentures such as adhesives, cleaners, and liners. Scales from zero to three were designed for each facet to assess the level of quality associated with dental health - related information in an item, with zero representing no information and three representing the optimal level of information which the public needs. Only three planned, accurate educational communications were found from 125 hours of television on four different stations over a week's period of time. 48 different magazines from separate categories, and a week of four different daily metropolitan newspapers. Almost all of the remaining 837 items were from commercials or advertisements of dental health - related products. Most of these items were coded as containing incomplete, inaccurate, or misleading information. It was concluded that means must be found to counter misleading public information messages, to compete successfully for commercial time and space of mass media, to insure that messages are consistent with scientifically demonstrated information, and to provide new resources for reaching the public with accurate, comprehensive oral health information.

Descriptors: State regions; Quality assurance; •Public health; Minnesota; Methodology; Measurement; •Health education ; Health care; Health care services; Evaluation; Education; •Dental services; Consumers; Telecommunication; Dentistry

Identifiers: HRP/PB; HRP/ZE; HRP/DEF; HRP/PCC; HRP/KH; HRP/DEA; HRP/EB; HRPGEO/YMN; HRPGEO/YCN; HRPOCC/XZ; Reprints; NTISHRANHP

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44P (Health Planning and Health Services Research--Health Education and Manpower Training); 57G (Medicine and Biology--Dentistry)

501143 PB-251 646/6

New York City Transit Authority Design Guidelines. Signals and Communication

(Technical studies rept)

New York City Transit Authority. Engineering Dept.

Sponsor: Urban Mass Transportation Administration, Washington, D.C.; Tri-State Regional Planning Commission, New York.

Report No.: UMTA-IT-09-0014-75-5

Mar 75 245p

Prepared in cooperation with Tri-State Regional Planning Commission, New York.

Paper copy also available in set of 12 reports as PB-251 641-SET, PC E99.

NTIS Prices: PC A11/MF A01

Journal Announcement: GRAI7613

Contract No.: UMTA-IT-09-0014-TS-C160

The main purpose of signaling is to provide safety and headway for rapid transit operations. This is accomplished by installing and interconnecting thousands of components of signal equipment into a coordinated system that, in all phases, stresses safety. There are three (3) main classifications of signals: automatic signals, approach signals and home signals. The purpose of the manual is to assist in standardizing the procedures involved in furnishing and installing of equipment to establish a signal system.

Descriptors: •Handbooks; •Rapid transit railways; •Telecommunication; •Railroad signals; Automatic control; Vehicular traffic control; Urban transportation; New York; Signal devices; Design; Instructions

Identifiers: New York City(New York); NTISDOTUMT

Section Headings: 13F (Mechanical, Industrial, Civil, and Marine Engineering--Ground Transportation Equipment); 13B (Mechanical, Industrial, Civil, and Marine Engineering--Civil Engineering); 91B (Urban and Regional Technology and Development--Transportation and Traffic Planning); 85C (Transportation--Metropolitan Rail Transportation)

496345 PB-250 511/3
Analysis of Consumer Demand for Pay Television. Final Report
Panko, R. R. ; Edwards, G. C. ; Penchos, K. ; Russell, S. P.
Stanford Research Inst., Menlo Park, Calif.
Sponsor: Office of Telecommunications Policy, Washington, D.C.
Report No.: OTP-76/002c-FR
May 75 199p
Errata sheet included. See also PB-250 510.
NTIS Prices: PC A09/MF A01
Journal Announcement: GRAI7611
Contract No.: TP4AC005; SRI-ISU-2975

The report contains background material on pay television in general and on the data used in our analysis. It gives analysis of demand for the current all-movie offering and for demand growth over time. It also presents the identification and estimation of key demand parameters in the assessment of alternative regulations.

Descriptors: *Television systems; *Demand(Economics); Industries; Telecommunication; Commerce; Closed circuit television; Television broadcasting; Regulations
Identifiers: *Cable television; *Subscription television; NTISEXOTP
Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45GE (Communication--General)

496344 PB-250 510/5
Analysis of Consumer Demand for Pay Television. Executive Summary
Panko, R. R. ; Edwards, G. C. ; Penchos, K. ; Russell, S. P.
Stanford Research Inst., Menlo Park, Calif.
Sponsor: Office of Telecommunications Policy, Washington, D.C.
Report No.: OTP-76/002c
May 75 37p
Errata sheet inserted. See also PB-250 511.
NTIS Prices: PC A03/MF A01
Journal Announcement: GRAI7611
Contract No.: TP4AC005; SRI-ISU-2975

Demand for pay cable television and broadcast pay (subscription) television is analyzed. Data from current pay cable operations are studied, as are data from live attendance at spectator events, television viewing, consumer surveys and early pay television experiments. An upper bound on current demand is estimated, as are upper bounds on subscribership and revenue growth over time. Demand parameters of particular interest in the assessment of economic interactions between pay television and free television are identified and quantified to the extent possible. The future availability of demand data is discussed.

Descriptors: *Television systems; *Demand(Economics); Industries; Telecommunication; Commerce; Closed circuit television; Television broadcasting; Regulations
Identifiers: *Cable television; *Subscription television; NTISEXOTP

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45C* (Communication--Common Carrier and Satellite)

494286 PB-251 094/9
Manuel Technique du Village
Volunteers in Technical Assistance, Mt. Rainier, Md.
Sponsor: Agency for International Development, Washington, D.C. Communications Resources Div.
6 Feb 76 430p
Trans. of mono. Village Technology Handbook, 1st edition, v1, v2 1963. Text in French. Prepared in cooperation with Agency for International Development, Washington, D.C. Communications Resources Div.
Document Type: Translation
NTIS Prices: PC A19/MF A01
Journal Announcement: GRAI7610

Village-level technology and plans cover the following topics: village water supply, sanitation, agriculture, grain and produce handling and preservation, housing and construction, home improvement, and education and communication.

Descriptors: *Urban planning; *Rural areas; *Technology; *Handbooks; Rural urban fringe; Agriculture; Sanitation; Water supply; Housing planning; Grains(Food); Vegetables; Education; Telecommunication; Construction; Translations
Identifiers: *Villages; NTISAIDOST
Section Headings: 13B (Mechanical, Industrial, Civil, and Marine Engineering--Civil Engineering)

493805 PB-248 151-05

Commerce America, Volume I, Number 5, March 1, 1976

Department of Commerce, Washington, D.C.
Corp. Source Codes: 108950
1 Mar 76 44p
See also PB-248 151-04.
Paper copy available from GPO.
NTIS Prices: PC-GPO/MF A01-NTIS
Journal Announcement: GRAI7610

;Contents: Telecommunications--Historic values meet the coming 'information society'; Credit system reforms keep U.S. consumers buying; Economic highlights; Energy management digest; International commerce report.

Descriptors: *Commerce; *Periodicals; Telecommunication; Credit; Consumer affairs; Energy conservation; International trade

Identifiers: NTISCOMSEC

Section Headings: 5C (Behavioral and Social Sciences--Economics); 96GE (Business and Economics--General)

489344 PB-249 290/8

EMS (Emergency Medical Service) Research Proposal

Choate, Philip R.
Arkansas Health Systems Foundation, Little Rock.
Sponsor: National Center for Health Services Research, Rockville, Md.
Report No.: NCHSR-76/109
11 Apr 74 143p
NTIS Prices: PC A07/MF A01
Journal Announcement: GRAI7608
Contract No.: PHS-HSM-110-71-229

The purpose of the report is to propose research relating to planning of emergency medical services. The report describes the EMS system being developed in Arkansas. It gives the system's objectives, describes various subsystems, presents data on the state's population and its methodology, and gives time tables, budget data, and staffing information. Arkansas, as one of five national EMS (Emergency Medical Service) experimental sites, has completed more than 2 years of planning, evaluation, and community organization work and has brought to full operational status a complete EMS system in western Arkansas. The statewide EMS system should be operational by February 1975.

Descriptors: *Health planning; *Emergency medical services; *Arkansas; Objectives; Health care delivery systems; Systems engineering; Health care costs; Rural areas; Evaluation; Transportation; Telecommunications; Health care facilities; Consumers; Health education; Management; Surveys; Health manpower

Identifiers: NTISHRAHSR

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 44J (Health Planning and Health Services Research--Health Delivery Plans, Projects, and Studies)

477656 PB-246 416/2

Emergency Medical Services Demonstration Project, San Diego, Imperial and Riverside Counties, California, July 1, 1972-June 30, 1975

(Final rept)
San Diego County Health Care Agency, Calif.
Sponsor: Public Health Service, Washington, D.C.
Jul 75 368p
NTIS Prices: PC A16/MF A01
Journal Announcement: GRAI7602
Contract No.: PHS-HSM-110-72-346

When San Diego was selected as one of the five demonstration sites three years ago, many parts of a Emergency Medical Services system were already functioning, but in a fragmented fashion. The most important achievement is that the pieces were brought together into a fully functioning and effective emergency medical services system. The accomplishments are (1) Regionalization and areawide planning. (2) EMT-I trained personnel operating well-equipped van ambulances are providing basic life support throughout the entire area. (3) The ambulance-to-hospital link of the emergency communication net was completed by purchasing and installing radios from contract funds in every ambulance operating in San Diego and Imperial Counties. (4) Ongoing training. (5) Active consumer programs. (6) Critical care facilities. (7) Vigorous management organization.

Descriptors: *California; *Medical services; Regional planning; Projects; Objectives; Costs; Forecasting; Organizations; Evaluation; Systems analysis; Consumers; Medical personnel; Manpower; Telecommunication; Training programs; Education; Management

Identifiers: *Emergency medical services; Health care delivery; *San Diego(California); NTISHSAEMS

Section Headings: 6E (Biological and Medical Sciences--Clinical Medicine); 96D (Business and Economics--Consumer Affairs); 44J (Health Planning and Health Services Research--Health Delivery Plans, Projects, and Studies); 43C (Problem Solving Information for State and Local Governments--Human resources)

461270 ED-100 317

A Planning Study to Develop a Demonstration Design for the Use of Telecommunications in Public Service Delivery. Final Report, June 30, 1974

Abt Associates, Inc., Cambridge, Mass.

Report No.: AAI-74-70

30 Jun 74 233p

Office of Telecommunications Policy, Washington, D.C. and Department of Health, Education, and Welfare, Washington, D.C.

Available from ERIC Document Reproduction Service, P.O. Box 190, Arlington, Va. 22210, PC$12.47, MF$0.94.

NTIS Prices: Not available NTIS

Journal Announcement: GRAI7520

Presently available telecommunication technology was surveyed to ascertain how it might be used to deliver public services. Applications are proposed in the fields of medicine, education, and social welfare. Specific designs are proposed for implementing the proposals, including applications of interactive television, cable television, computer data banks with telephone access, videotape and computer hookups, home use of interactive television and two-way institutional networks. Costs and hardware requirements are analyzed for videotape, teleprocessing, cable television and other systems. Problems of institutional constraint and implementation are discussed, and policy questions are identified. An appendix in chart form analyzes the costs and hardware requirements.

Descriptors: *Delivery systems; *Telecommunication; *Facility planning; *Human services; School services; Social services; Policy formation; Technological advancement; Program costs; Video equipment; Educational technology; Innovation; Educational innovation; Computers; Health services; State of the art reviews; Institutional environment; Public policy; W4 demonstration projects

Identifiers: *Department of Health; Education and Welfare; Office of Telecommunications policy; Two way television; NTISERICL

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 88B (Library and Information Sciences--Information Systems)

451496 PB-241 599/0

Technological Boundaries of Television. Volume 1. Findings and Recommendations

Wilmotte, Raymond M.

Wilmotte (Raymond M.), Washington, D.C.

Sponsor: Federal Communications Commission, Washington, D.C. Office of the Chief Engineer.

Report No.: FCC/OCE/CE-74/01-Vol-1

Dec 74 81p

Paper copy also available in set of 3 reports as PB-241 598-SET, PC E99.

NTIS Prices: PC A05/MF A01

Journal Announcement: GRAI7515

The report has been based on information collected over a period of two years. In this period a surprising amount of the emerging technology has become visible. There has appeared in the laboratory and in pilot operations prior to practical implementation a solid state, high-resolution television camera; a practical pseudo-random scanning sequence reducing the television bandwidth to a fraction of that presently required; point-to-point communication by cable with fantastic bandwidths, (up to 70 GHz); advances in research bringing some flat screen displays into the development stage; the transmission simultaneously with a television program of a large amount of data, announcements, news, and stills as a service to home and office. In the process a great deal has been learned in the field of psychological dimensions or subjective judgments, and their quantitative measurement. It is a field that has made great strides in the last decade, is growing in importance and is almost unknown to the engineering community.

Descriptors: *Television broadcasting; Forecasting; Television systems; Television equipment; Communications satellites; Closed circuit television; Scanning; Bandwidth; Compressing; Television display systems; Incentives; Resolution; Video tapes; Human factors engineering; Standardization; Evaluation

Identifiers: Cable television; *Technology forecasting; *Technology assessment; NTISFCC

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45C (Communication--Common Carrier and Satellite); 45B (Communication--Radio and Television Equipment)

432858 AD-A006 445/1

International Conference on Complex Integrated Circuits Conception and Utilization, Present and Future, Held at Paris (France) on 3-6 December 1974

Magnuson, Jr, W. G.
Office of Naval Research London (England)
Corp. Source Codes: 265000
Report No.: ONRL-C-4-75
5 Feb 75 11p
Document Type: Conference proceeding
NTIS Prices: PC A02/MF A01
Journal Announcement: GRAI7509

The Conference was held to acquaint engineers and research people with the design and uses of complex integrated circuits. Included were papers on the possibilities of LSI technology, reviews of the present and predictions of future applications, and papers directed towards better defining the nature of the relationship between component manufacturer and user. Fifty-two presentations were given during the four days of the Conference dealing with applications in the areas of computers, telecommunications, instrumentation, and consumer products. However, the emphasis was on integrated circuit technology with several papers devoted to evaluating and comparing the latest fabrication methods. This report gives a general overview of the conference content. Detailed information is available in the Conference proceedings.

Descriptors: *Integrated circuits; *Meetings; Utilization; Computer aided design; Quality control; Reliability(Electronics); France

Identifiers: Design; NTISDODN

Section Headings: 9E (Electronics and Electrical Engineering--Subsystems); 49H (Electrotechnology--Semiconductor Devices)

430039 AD-A003 505/5

National Warning System Analysis

(Final rept.)
Rosenthal, Murray
System Development Corp Santa Monica Calif
Corp. Source Codes: 339900
Sponsor: Defense Civil Preparedness Agency, Washington, D.C.
Report No.: SDC-TM-5124/001/00
15 May 74 292p
NTIS Prices: PC A13/MF A01
Journal Announcement: GRAI7506
Contract No.: DAHC20-73-C-0136; DCPA-2234-A

The report reviews the nation's civil preparedness warning system. The project analyzed and evaluated: (1) the present operational configuration of the National Warning System (NAWAS), as well as state and local warning systems; (2) needed updating and/or changes in the National Warning Centers' operational concepts and procedures; (3) the role of NAWAS, with a nationwide implementation of the Decision Information Distribution System (DIDS) and during DIDS implementation stages; (4) the potential use of cable television for all types of warning; and (5) low-cost means of developing internal public warning in the metropolitan areas to supplement outdoor systems by taking advantage of existing communications and media outlets, including Crisis Home Alerting Technique (CHAT).

Descriptors: *Civil defense; *Operational readiness; *Warning systems; Efficiency; Urban areas; Television systems

Identifiers: NTISDODA

Section Headings: 15C (Military Sciences--Defense); 91I (Urban and Regional Technology and Development--Emergency Services and Planning)

426933 ED-092 138

The Wired Public Library; Who Needs It; What Will It Cost; Who Will Pay for It

Atlantic City Free Public Library, N. J.
Oct 73 56p
Available from ERIC Document Reproduction Service, P. O. Box 190, Arlington, Va. 22210, PC$3.15 MF$0.75.
NTIS Prices: Not available NTIS
Journal Announcement: GRAI7504

A cooperative study, sponsored by Atlantic City and Cape May County, New Jersey, investigated the prospects for extending library services throughout the seashore resort/rural areas with the use of cable television. A review of the evolution of cable TV, CATV, two-way television and the interactive cable concluded that the equipment and technology is available now but is very costly. Many examples of various combinations of telephone and CATV usage were found to be in experimental stages. A survey was mailed to the local area, Atlantic City. The results indicated a relatively high interest in library services but not sufficient to override the concensus of national leaders who feel that the market for this complex and expensive technology has not yet developed. It was recommended that local libraries make use of existing CATV channels as they are granted and develop the 'consumer research' needed to justify the expense of the more elaborate and complete two-way systems.

Descriptors: *Public libraries; *Cable television; Library services; Educational television; Feasibility studies

Identifiers: New Jersey; *Atlantic City; NTISERICL

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 88C (Library and Information Sciences--Marketing and User Services)

419741 ED-088 470

Cable: Report To The President, 1974

Office of Telecommunications Policy, Washington, D.C.
1974 112p
Available from ERIC Document Reproduction Service: P. O. Box 190 Arlington, Va. 22210, PC$5.40 MF$0.75.
NTIS Prices: Not available NTIS
Journal Announcement: GRAI7426

A comprehensive, new national policy for cable communications is recommended by the Cabinet Committee on Cable Communications. The goal of the policy is to achieve the orderly integration of cable with other existing communications media so that information may flow freely, protected from both private and governmental barriers. The first two chapters examine, respectively, the need for developing a new cable communications policy and cable as a medium open to all. Chapter III presents a series of 12 long-range policy recommendations which deal with: (1) the industrial structure, ownership and control of cable distribution facilities and programing; (2) the institutional and jurisdictional framework for cable regulation; and (3) consumer rights, responsibilities and safeguards with respect to cable. Chapter IV treats the transition period of cable's development, Chapter V describes a demonstration program, and Chapter VI provides a summary outline of policy recommendations. An appendix presents the current regulatory framework. (PB)

Descriptors: *Information networks; *Cable television; Mass media; National programs; Policy formation; Government role

Identifiers: *Cabinet Committee on Cable Communications; NTISERIC

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 88B (Library and Information Sciences--Information Systems)

416399 AD-786 856/5

The Cabinet Committee Report to the President on Cable Communications

Johnson, Leland L.
Rand Corp Santa Monica Calif
Corp. Source Codes: 296600
Report No.: P-5193
Feb 74 11p
NTIS Prices: PC A02/MF A01
Journal Announcement: GRAI7425

This report recommends that: control of cable distribution facilities be separated from control of programming and other services provided over cable systems; no restrictions be placed on cross-media ownership or multiple ownership of cable systems; telephone companies not be permitted to control or operate cable systems within their own service areas; Consumers have the opportunity to purchase new television programming and other information services over cable without being impeded by government-established barriers; programming and other services not be subject to government regulation of content or prices; incentives to create programming for cable be fostered by full applicability of copyright laws to channel users; strong legal and technical safeguards be erected to protect individual privacy in cable communications; cable services be assured for the poor and for residents of rural areas; participation by minority racial and ethnic groups in cable ownership, operation, and programming be facilitated.

Descriptors: *Closed circuit television; Policies; Industries; Communications networks

Identifiers: *Cable television; NTISDODSD

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45C (Communication--Common Carrier and Satellite)

416143 AD-786 598/3

Microcomputer Control of Industrial Process

(Research rept.)
Hearn, Donald W. ; Saenz, Jesus A.
Florida Univ Gainesville Dept of Industrial and Systems Engineering
Corp. Source Codes: 404399
Sponsor: Army Research Office, Durham, N.C.
Report No.: RR-74-9; AROD-11621.7-M
Aug 74 136p
NTIS Prices: PC A07/MF A01
Journal Announcement: GRAI7425
Contract No.: DA-ARO-D-31-124-73-G149

The feasibility and versatility of using microcomputers to control industrial processes is shown in this work. For this purpose, a set of simulation programs were written in APL. These program modules represent a microcomputer, an assembler, and a text editor. As an example of an industrial process a simple drill press was chosen as the device to be controlled by the microcomputer system. An APL program module was also written to simulate the functions of this device. The microcomputer in this system offers control and computational capabilities. This is shown to be desirable in a 'job-shop' environment, where orders are received to process different kinds of jobs with unique specifications. (Modified author abstract)

Descriptors: *Industrial equipment; *Drilling machines; *Computer applications; Control systems; Memory devices; Computer programming

Identifiers: *Microcomputers; Text editing systems; *Automatic control; APL programming language; NTISDODA

Section Headings: 13H (Mechanical, Industrial, Civil, and Marine Engineering--Industrial Processes); 9B (Electronics and Electrical Engineering--Computers); 94G (Industrial and Mechanical Engineering--Manufacturing Processes and Materials Handling); 62GE (Computers, Control, and Information Theory--General)

412566 JPRS-62395

Translations on USSR Trade and Services, No. 720

Joint Publications Research Service, Arlington, Va.
3 Jul 74 55p
Trans. of monos. from various jnls.
Document Type: Translation
NTIS Prices: PC A04/MF A01
Journal Announcement: GRAI7423

The report contains information on the fields of transportation and communications; construction and construction machinery; consumer goods; domestic trade; and international economic relations.

Descriptors: *Economics; *USSR; Foreign aid; Telecommunication; Construction; Transportation; Consumers; Translations

Identifiers: NTISJPRS

Section Headings: 5C (Behavioral and Social Sciences--Economics)

391222 PB-231 514/1

Improved Rate Structures in Telecommunications

(Final rept)
Faucett (Jack) Associates, Inc., Chevy Chase, Md.
Corp. Source Codes: 403372
23 Dec 72 90p
NTIS Prices: PC A05/MF A01
Journal Announcement: GRAI7413
Contract No.: OTP-SE-72-114

The initiation of this effort, and the hopeful continuation of policy research on pricing, followed observations that merely changing prices could increase the contribution of telecommunications to national welfare. Careful analysis reveals that it is not possible to devise a perfect pricing system; the four major goals in pricing--maximum net benefits, equity, cost recovery, and minimum administration--sometimes conflict. However, it is possible to remove many imperfections in the present system. This report is, in part, an attempt to show that the benefit/cost ratios of efforts to improve pricing are much higher than unity, possibly much higher than the corresponding ratios for technological change. This report identifies many suggestions for improved pricing that are outside the context of a zero-sum game--a situation where someone's gain is another's loss; the great incentive for many improvements in pricing is that both procedures and consumers will gain.

Descriptors: *Telecommunication; *Rates(Costs); Prices; Optimization; Telephone systems

Identifiers: NTISOTPEOP

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5C (Behavioral and Social Sciences--Economics); 45C* (Communication--Common Carrier and Satellite)

378465 PB-227 185/6

Must We Travel: The Potential of Communication as a Substitute for Urban Travel

(Research rept.)
Jones, Jr, David W.
Stanford Univ., Calif. Inst. for Communication Research.
Corp. Source Codes: 407950
Report No.: RR-5; UMTA-CA-11-0008-73-5
Mar 73 82p
NTIS Prices: PC A05/MF A01
Journal Announcement: GRAI7408
Contract No.: UMTA-CA-11-0008

The research is an effort to estimate the upper-bound limit of home-work, rush-hour travel which is susceptible to communication substitution through the use of Home or Neighborhood Information Utilities. Specifically, the study reports the percentage of intra-urban, home-work travel during the rush-hour period which could potentially be (1) eliminated through the performance of the work role from remote, communication-linked locations, or (2) shifted out of the rush-hour period by the performance of part of the work task from home, thus relieving peak loads on the transportation network. The research also examines the destination, route, time, and origin and duration of home-work travel that might be susceptible to communication substitution. Substitution is defined as the use of electronic communication in the place of physical travel to convey audio, visual, moving video or digital messages which provide an alternative to face-to-face interaction. (Modified author abstract)

Descriptors: *Telecommunication; *Substitutes; *Urban transportation; Urban areas; Forecasting; Travel time; Sociometrics

Identifiers: NTISUMTA

Section Headings: 13B (Mechanical, Industrial, Civil, and Marine Engineering--Civil Engineering); 17B (Navigation, Communications Detection, and Countermeasures--Communications); 91D* (Urban and Regional Technology and Development--Communications); 45D (Communication--Sociopolitical)

376111 PB-227 102/1

Report to the President. The Cabinet Committee on Cable Communications, 1974

Office of Telecommunications Policy, Washington, D.C.
Report No.: OTP-17
Jan 74 149p
NTIS Prices: PC A07/MF A01
Journal Announcement: GRAI7407

Broadband cable technology offers the potential for increasing consumer choice in television programming and providing many new communications services. The Committeess's recommended new policy is based upon the principle of separating the cable system owner's control over the medium from control over the messages distributed over that medium. The Committee concluded that programming, advertising and other information services on cable channels should be allowed to develop on a free and competitive basis, with no more government regulation over the content of this communications medium than is exercised over the print medium. The Committee further concludes that current restrictions against cable ownership by television networks and broadcasters be lifted. A transition period was recommended during which new cable policies would be implemented gradually.

Descriptors: *Telecommunication; *Multichannel communication ; Government policies; Regulations; Communications management; Recommendations; Closed circuit television
Identifiers: *Cable communications; NTISCTPEOP
Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 45A* (Communication--Policies, Regulations, and Studies); 45C (Communication--Common Carrier and Satellite); 61H (Communication Systems--Wire Communication Systems)

371623 N74-11007/3

The Wired City Simulation Laboratory, Phase 1

Coll, D. C. ; Mckillican, R. W. ; Fried, P. A.
Carleton Univ., Ottawa (Ontario). Dept. of Systems Engineering.
May 73 129p
NTIS Prices: PC A07/MF A01
Journal Announcement: GRAI7405; STAR1202
Contract No.: PG.36100-2-0164/OPG-2-0041

The present status of a laboratory for the simulation wired city systems is reported. This program has as its long term objectives the design and implementation of a flexible laboratory for the testing and evaluation of broadband communications and information services for business, teaching, research, the community, and the home. The laboratory provides multipoint audio, video, and data communications and has the capability for monitoring the communications processes in a variety of ways. (Author)

Descriptors: *Digital simulation; *Information systems; *Multichannel communication; *Wideband communication; Cities; Experimental design; Laboratories; Telecommunication; Urban planning; Video communication
Identifiers: NTISNASA

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 61H (Communication Systems--Wire Communication Systems); 91D (Urban and Regional Technology and Development--Communications); 45C (Communication--Common Carrier and Satellite)

371330 PB-226 163/4

A.I.D. Research Abstracts, Volume 1, Number 2

Agency for International Development, Washington, D.C. AID Reference Center.
Report No.: ARC-001.429-A265E
Oct 73 36p
NTIS Prices: PC A03/MF A01
Journal Announcement: GRAI7405

The A.I.D. Research Abstracts quarterly describes current research documents of interest to scholars, planners, and scientific investigators around the world. It is hoped that the distribution of this information about important new knowledge will stimulate an exchange of ideas and papers between scholars and planners in developing countries and those in developed countries.

Descriptors: *Research; *Developing countries; *Transfer of technology; *Economic development; Sociometrics; Economics; Education; Commerce; Telecommunication; Transportation; Medicine; Engineering; Agriculture; Chemical properties
Identifiers: Home economics; NTISAID
Section Headings: 5C (Behavioral and Social Sciences--Economics); 96G (Business and Economics--Foreign Industry Development and Economics)

359790 PB-224 145/3
The Jonathan/Chaska Community Information System Experiments
(Final rept)
Community Information Systems, Inc., Chaska, Minn.
Jun 73 375p
NTIS Prices: PC A16/MF A01
Journal Announcement: GRAI7324
Contract No.: HUD-H-1653

A project carried out in the town of Jonathan, Minnesota, was the assessment of demand for various services which could be delivered to homes via broad band communications networks. A prototype community information and services center was constructed and operated where area residents and visitors would gain 'hands-on' experience with the equipment required for home delivery and could sample a variety of services which could potentially be made available. An indepth survey was later conducted to determine peoples' willingness to pay for home delivery of services.

Descriptors: *Closed circuit television; *Minnesota ; *Telecommunication; *Research projects ; Communication cables; Community relations; Urban areas; Surveys; Public opinion; Broadband; Information systems; Microwave equipment; Urban planning; Communications management

Identifiers: *Cable television; Jonathan(Minnesota); CATV(Community Antenna Television); Chaska(Minnesota); Two way communication systems; NTISOUTR

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 61G (Communication Systems--Television Communication)

359468 COM-73-11848/1
The Real Cost of Basic Telephone Service to the Average Worker in Fifteen Developed Countries
Karydes, Marianne
Office of Telecommunications, Washington, D.C.
Report No.: OTR-73-17
Aug 73 44p
NTIS Prices: PC A03/MF A01
Journal Announcement: GRAI7324

The paper addresses the question of what it actually costs the average worker to buy his basic telephone service. Fifteen developed countries are surveyed. The most recent information available on the extent of telephone development in each, the number of telephones per 1000 population, is presented, along with the cost in the number of working hours required to purchase basic service, 1960-71 in each of the countries surveyed. In four separate tables the different categories of telephone charges are given for each year and each country during this time period. Each table is followed by a brief discussion.

Descriptors: *Telephone systems; *Consumers ; *Services; *Cost analysis ; Economic surveys; Rates(Costs); Fees; Reviews ; Availability; Time; Earnings; Foreign countries; United States; Telecommunication

Identifiers: Industrial workers; NTISOTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 91D (Urban and Regional Technology and Development--Communications); 61H (Communication Systems--Wire Communication Systems)

355552 COM-73-50841/8
U. S. Industrial Outlook 1974 with Projections to 1980
Cook, Gary M.
Bureau of Competitive Assessment and Business Policy, Washington, D.C.
Oct 73 393p
Paper copy available from GPO $3.40 as stock no. 0325-00004.
NTIS Prices: PC-GPO/MF A01-NTIS
Journal Announcement: GRAI7323

The 1974 edition contains special reports on general economic areas that affect most of the individual industries covered. Reports on the energy situation, consumer credit, and pollution control costs and international competitiveness offer an overall view of recent developments and a general summary of anticipated trends. Detailed analyses of more than 200 individual manufacturing and nonmanufacturing industries, or closely related industry groups, have been arranged in ten major sections. Each industry statement contains information on recent developments and projects levels of activity for 1974 and 1980.

Descriptors: *Industries; *Economic surveys ; Construction; Wood products; Materials; Energy; Credit; Pollution; Transportation; Food; Banking business; Containers; Telecommunication; Machinery; Instruments; Power equipment; Services; Clothing

Identifiers: Wholesale trade; Retail trade; NTISBDC

Section Headings: 5C (Behavioral and Social Sciences--Economics); 96GE (Business and Economics--General)

355400 COM-73-11588/3

A Survey of Technical Requirements for Broadband Cable Teleservices. Volume 2. Subscrber Terminals and Network Interface

Wieder, Bernard ; Espeland, Richard H. ; Chilton, Charles J.

Office of Telecommunications, Boulder, Colo. Inst. for Telecommunication Sciences.

Corp. Source Codes: 406445

Report No.: OTR-73-13-VOL -2

Jul 73 89p

See also Volume 1, COM-73-11587, and Volume 4, COM-73-11589.

NTIS Prices: PC A05/MF A01

Journal Announcement: GRAI7323

The report examines the question of home terminals in the cable environment. The functions of subscriber-owned television receivers in this new environment is examined in detail. Characteristics of set-top converters are also examined in detail from the same point of view. Augmented one-way services and two-way services will add equipment in the home that can contain among others, a camera, microphones, digital devices, sensors, printers, and tape recorders. Characteristics of the augmented home terminal are examined in an attempt to identify the demands the new services may place on the cable systems. (Author)

Descriptors: *Closed circuit television; Communications management ; Contracted services; Television equipment; Interfaces; Broadband; Reviews; Converters

Identifiers: *Cable television; CATV(Community Antenna Television); NTISOTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 61G (Communication Systems--Television Communication); 91D (Urban and Regional Technology and Development--Communications)

352249 PB-223 573/7

An Investigation of Cross Subsidy, Industry Structure, and Pricing, with Applications to Data Under Voice

(Staff research paper)

Braeutigam, Ronald R.

Office of Telecommunications Policy, Washington, D.C.

Report No.: OTP-SP-14

Jul 73 105p

NTIS Prices: PC A06/MF A01

Journal Announcement: GRAI7322

The paper deals with the following closely related issues in the context of the telecommunications industry: pricing, industry structure, and service cross-subsidy. Where a multi-product firm, some of whose products are monopolistic, participants in competitive markets, the presenc of cross-subsidized pricing may have a significant impact on the structure of the industry and its performance in terms of how efficiently resources are allocated, how progressive it is, how income is distributed, etc. The paper draws on the case of Data Under Voice technology to elucidate various definitions and tests of cross-subsidy: Incremental Cost Test, Burden Test, Marginal Cost Test, Stand Alone Test, and Consumer Surplus Maximization. Finally, the paper evaluates various industry structures in terms of the maximum level of consumer surplus achievable under each, indicating prices which are economically efficient in each case.

Descriptors: *Telecommunication; Economic factors ; Industries; Cost analysis; Prices; Grants; Policies; Pulse communication; Data links; Digital techniques; Modulation

Identifiers: DUV(Data Under Voice); Data under voice; NTISOTPEOP

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 61GE (Communication Systems--General)

341122 N73-23876

Television Broadcasting Satellite Summary of a Study

Aeg-telefunken, Backnang (West Germany).

1972 91p

Subm- Prepared Jointly With Dornier-werke and Erno Raumfahrttechnik

NTIS Prices: PC E04/MF A01

Journal Announcement: GRAI7316; STAR1114

Contract No.: RV-II/1-V2/71-QH-00-10

The preliminary specifications for a radioing the Federal Republic of Germany and all German-speaking west European areas, are summarized. To determine the telecommunication requirements for a satellite, detailed investigations, carried out for the terrestrial broadcast transmitter satellite home receiver link are discussed. Based on the results of the transmission path study, requirements for a national radio-TV satellite are detailed. The satellite configurations, payload, energy supply, attitude, orbit, and thermal control, planning and costs are discussed, and the satellite subsystems are analyzed.

Descriptors: *Broadcasting; *Communication satellites; *Radio relay systems; *Systems analysis; *Television systems; European space programs; Satellite attitude control; Spacecraft power supplies

Identifiers: NTISNASA

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 61D (Communication Systems--Satellite and Space Communication Systems)

284652 COM-72-10601

Potential Market Demand for Two-Way Information Services to the Home, 1970-1990

(Special rept.)

Baran, Paul

Institute for the Future, Menlo Park, Calif.

Report No.: IFF-R-71-26; OT-CR-72-02

Dec 71 135p

NTIS Prices: PC A07/MF A01

Journal Announcement: GRAI7217

Contract No.: C-1-35549

The report describes potential market demand and service parameter estimates for thirty potential new information services to the home for the time period 1970 to 1990. (Author)

Descriptors: *Telecommunication; *Information systems ; Data transmission; Houses; Urban areas; Forecasting; Close circuit television

Identifiers: Cable television; NTISOTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 61G (Communication Systems--Television Communication); 91A (Urban and Regional Technology and Development--Environmental Management and Planning); 61H (Communication Systems--Wire Communication Systems)

284650 COM-72-10599

Toward a Study of Future Urban High-Capacity Telecommunication Systems

(Special rept.)

Baran, Paul

Institute for the Future, Menlo Park, Calif.

Report No.: IFF-SR-71-21; OT-CR-72-04

Dec 71 26p

NTIS Prices: PC A03/MF A01

Journal Announcement: GRAI7217

Contract No.: C-1-35549

The report describes an outline and structure for a proposed handbook containing reference information useful to the designer of broadband information services to the home. (Author)

Descriptors: *Telecommunication; *Information systems ; Closed circuit television; Data transmission; Houses; Urban areas; Forecasting

Identifiers: Cable television; NTISOTEL

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 61G (Communication Systems--Television Communication); 91A (Urban and Regional Technology and Development--Environmental Management and Planning); 61H (Communication Systems--Wire Communication Systems)

238243 AD-737 232

The Communication Satellite -- A Perspective for the 1970's

Feldman, N. E.

Rand Corp Santa Monica Calif

Corp. Source Codes: 296600

Report No.: P-4658

Sep 71 10p

NTIS Prices: PC A02 MF A01

Journal Announcement: GRAI7207

While editing two books on communication satellites for The MIT Press, it seemed necessary to try to set the 74 papers on technology and systems in these two volumes into the context of the 'communications revolution.' The preface to the two books therefore attempted to relate communication satellite programs to current research and development programs in digital data networks, videophones, cable television distribution systems, video cassette and home playback equipment, and millimeter waveguide and laser links. That brief preface was expanded to this paper.

Descriptors: *Communication satellites(Active); Reviews ; Television communication systems; Radio relay systems; Synchronous satellites; Satellite networks; Television transmitters; Global communication systems

Identifiers: CATV(Cable Television); *Cable television; Underdeveloped countries; NTISSD

Section Headings: 22B (Space Technology--Spacecraft); 61D (Communication Systems--Satellite and Space Communication Systems)

256785 ED-054 834

A Community Information Network

Consumer's Association of Canada, Ottawa (Ontario).

1971 55p

Available from ERIC Document Reproduction Service, Bethesda, Md. 20014 PC$3.29, MF$0.65.

NTIS Prices: EDRS

Journal Announcement: GRAI7206

The possibility of creating in Canada a non-profit community information network (a set of linked data banks containing information for use by the general public) should be explored. A network to link together a set of data banks containing information for general public use would have the following merits: (1) By its effect on household decision-making, it would make possible a very great improvement in the efficiency of resource allocation. (2) A non-profit system would help to compensate for the deficiencies of the free market in providing adequate information to consumers. (3) Unlike all other proposals for the creation of data banks, its social and economic benefits are made available directly, and would not have to rely upon a process of 'trickle down' before they could be realized. (4) Its benefits would be widely distributed among different age groups, different income groups, different regions and different cultures. (5) It could be built upon a number of component parts already existing in the public sector and in the voluntary non-profit field. (Author)

Descriptors: *Information networks; Information dissemination ; *Information systems; *Information needs ; *Information services; *Telecommunication ; *Public television ; Information dissemination

Identifiers: *Canada; NTISERICL

Section Headings: 5B (Behavioral and Social Sciences--Documentation and Information Technology); 88B (Library and Information Sciences--Information Systems)

141327 PB-184 425

President's Task Force on Communications Policy

(Final rept.)

Rostow, Eugene V.

President's Task Force on Communications Policy, Washington, D.C.

14 Aug 67 510p

Paper copy available from Superintendent of Documents, GPO, Washington, D.C. 20402 $4.50 as PR 36.8:C73/C73. For background staff papers, see PB-184 412 thru PB-184 424.

NTIS Prices: MF A01

Journal Announcement: USGRDR6916

The study is addressed primarily to the legal and economic structure of our communications system, and to the policy considerations which should guide its evolution, both at home and abroad. New technology is transforming the realm of communications. One of the most basic aspects of our mandate is to make recommendations for the integration of new and old communications facilities into a balanced communications system which could meet the needs of a dynamic and expanding world society. (Author)

Descriptors: *Communication systems; *Management planning ; United States Government; Industries; Management control systems; Commerce; Reviews; Advanced planning

Identifiers: *Telecommunication; Government policies

Section Headings: 17B (Navigation, Communications Detection, and Countermeasures--Communications); 5A (Behavioral and Social Sciences--Administration and Management); 5C (Behavioral and Social Sciences--Economics)

TRADE AND INDUSTRY INDEX DATABASE

TRADE AND INDUSTRY INDEX provides current and comprehensive coverage of major trade journals and industry-related periodicals representing all Standard Industrial Classifications. It provides cover-to-cover indexing and selective abstracting of 275 trade and industry journals as well as comprehensive but selective coverage of business and trade information from nearly 1,200 additional publications. Newspaper sources include The Wall Street Journal, the New York Times Financial Section, American Banker, and Barrons. Journal coverage includes such publications as Advertising Age, Coal Age, BYTE, Electronic Design, National Underwriter, Oil and Gas Journal, and Tax Advisor. In addition to general business information, TRADE AND INDUSTRY INDEX provides access to information in the following broad subject areas: banking, insurance, securities, agriculture, oil and gas, public utilities, taxation, wholesale and retail trade, construction and many more.

1175601 DATABASE: MI File 47
CES: another perspective.
Uston, Ken
Creative Computing v9 p52(2) April 1983
illustration; photograph; portrait
SIC CODE: 3573
DESCRIPTORS: Winter Consumer Electronics Show-1983; computer industry-marketing; microcomputers-technological innovations; video games-technological innovations; musical instruments-technological innovations

1175600 DATABASE: MI File 47
1983 Winter Consumer Electronics Show; creative computing presents the Short Circuit Awards.
Ahl, David H.; Staples, Betsy
Creative Computing v9 p18(14) April 1983
illustration; photograph; portrait; chart; table
SIC CODE: 3573
CAPTIONS: Personal computers for the home: price - performance.; (New computers.)
DESCRIPTORS: computers-aids and devices; Winter Consumer Electronics Show-1983; computer industry-marketing; Creative Computing (periodical)-achievements and awards; video games-achievements and awards; microcomputers-exhibitions

1175332 DATABASE: MI File 47
Expect big crowds as Consumer Show, heavy on vidgames. (Consumer Electronics Show)
Seideman, Tony
Variety v309 p1(2) Jan 5 1983
CODEN: VARIB
SIC CODE: 5065; 3651
DESCRIPTORS: Consumer Electronics Show-1983; video games-exhibitions; stereophonic sound systems-exhibitions; electronic industries-exhibitions

1172447 DATABASE: TI File 148
Stores seek hire intelligence. (to market home computers)
St. Marie, David
Retailing Home Furnishings v57 pC24(3) March 7 1983
illustration
SIC CODE: 5374
DESCRIPTORS: microcomputers-marketing; stores, retail-staff; sales personnel-recruiting; clerks (retail trade)-recruiting

1172351 DATABASE: TI File 148
Computers, games bury car items: an all-time attendance record was set at the Winter CES, with more than 75,000 people viewing 1,056 exhibitors filling 838,000 sq. ft. of floor space. (Las Vegas Internat'l Consumer Electronics Show)
Home & Auto v92 p15(2) Feb 15 1983
illustration; photograph
SIC CODE: 3573; 7372; 7399
NAMED PEOPLE: Morioka, Ned-marketing; Penning, Marsh-marketing
DESCRIPTORS: International Consumer Electronics Show-1983; microcomputers-exhibitions; automobiles-electronic equipment; electronic apparatus and appliances-exhibitions; women-purchasing; Krako Enterprises Inc.-marketing; video games-exhibitions

1172183 DATABASE: TI File 148
American Bell makes its debut at Consumer Show.
Telephone Engineer & Management v87 p30(1) Feb 1 1983
SIC CODE: 3661
DESCRIPTORS: American Bell Inc.-marketing; telecommunication equipment industry-marketing

1172090 DATABASE: TI File 148
A personal computers? Who needs one?
Caldwell, Jack
Journal of Systems Management v34 p24(2) Feb 1983
illustration; photograph
SIC CODE: 3573
DESCRIPTORS: microcomputers-home use

1171895 [redacted]
EDP Industry Report v16 p1(1) Jan 16 1981
Predictions are made for the information services-communications industry. Software is expected to continue an upward trend, and home use of many information products is expected. Deregulation is allowing companies to provide better service due to less administrative work.
SIC CODE: 7374; 7372; 3573; 4800
DESCRIPTORS: electronic data processing-forecasts; United States. Federal Communications Commission-rules and regulations; computer industry-forecasts; telecommunication-forecasts
IDENTIFIERS: deregulation-telecommunication; computer program industry-forecasts

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1170787 DATABASE: TI File 148
Companies scramble to offer low-priced, letter-quality printers.
Davis, Dwight B.
Mini-Micro Systems v15 p165(6) Nov 1982
illustration; table; graph

The makers of impact printers are expecting a boom in sales due to the increase in the purchasing of microcomputers for the home. Few manufacturers can sell them for under $1000 but new technology is bringing lower prices. How these printers are designed and the quality of their printing is discussed.

SIC CODE: 3573
CAPTIONS: Representative impact printers prices below $2000. ; North American unit shipments of 0- to 25-cps impact printers.
DESCRIPTORS: printers (data processing systems)-innovations; computer input-output equipment-innovations; microcomputers-equipment and supplies; word processing (office practice)-electronic equipment

1170703 DATABASE: TI File 148
Hit computer trail, but shun shortcuts. (editorial)
Rosenberg, Iris S.
Discount Store News v22 p5(1) Feb 7 1983
ARTICLE TYPE: editorial
SIC CODE: 5730
DESCRIPTORS: computers-marketing; microcomputers-marketing; retail trade-management; Consumers Electronic Show-exhibitions

1170681 DATABASE: TI File 148
CD airs 'electronic catalog' on Toronto TV.
Markowitz, Arthur
Discount Store News v22 p1(2) Feb 7 1983
GEOGRAPHIC LOCATION: Toronto

The first truly electronic catalog was put on the air by Consumer Distributing in Toronto. Viewers can now order directly through their systems. Retailers expect this will bring a new wave of at home sales.

GEOGRAPHIC CODE: NNCNEOTT SIC CODE: 5300
NAMED PEOPLE: Islinger, Robert-management
DESCRIPTORS: Consumers Distributing-technological innovations; Toronto-industries; television broadcasting-technological innovations; retail trade-technological innovations; catalogs, commercial-technological innovations
IDENTIFIERS: videotext-advertising

1170680 DATABASE: TI File 148
[redacted]
illustration; photograph; table; photograph

Media planning for home computers along with expenditures in 1982 are covered. New models and recent innovations also highlighted.

SIC CODE: 3573
CAPTIONS: Personal computer media expenditures.
DESCRIPTORS: microcomputers-marketing

1169841 DATABASE: TI File 148
Computerized maintenance for small and medium shops.
Hamilton, Gregory D.
Fleet Owner v78 p60(5) Feb 1983
illustration; photograph
SIC CODE: 4212; 4723
DESCRIPTORS: microcomputers-automobile industry; motor vehicle fleets-computer programs; motor-trucks-maintenance and repair; Computer Task Group Inc.-management; Observor Transportation Co.-computer programs; Super Value Stores Inc.-computer programs

1168072 DATABASE: TI File 148
Say boom near for floppy disk.
Foti, Laura
Billboard v95 p1(2) Feb 19 1983
SIC CODE: 5081
DESCRIPTORS: computer storage devices-marketing; Consumer Electronics Show-exhibitions; computer industry-marketing
IDENTIFIERS: floppy discs-marketing

1166415 DATABASE: NNI File 111
Two proposed movie, pay-TV ventures face U.S. review for antitrust problems.
Landro, Laura
Wall Street Journal p16(W) p6(E) March 24 1983
CODEN: WSJOAF
col 2 013 col in.
EDITION: Thu
SIC CODE: 7813; 4899
DESCRIPTORS: cable television-mergers and consolidations; television industry-mergers and consolidations; antitrust law-cases; moving-picture industry-mergers and consolidations; subscription television-mergers and consolidations; Home Box Office Inc.-mergers and consolidations; CBS Inc.-mergers and consolidations; Columbia Pictures Industries Inc.-mergers and consolidations; Movie Channel-mergers and consolidations; Showtime Entertainment Inc.-mergers and consolidations

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1165774 DATABASE: NNI File 111
Home communications' market share sought by Warner's Atari Inc.
Wall Street Journal p12(W) March 18 1983
CODEN: WSJOAF
col 6 006 col in.
EDITION: Fri
SIC CODE: 4800
DESCRIPTORS: Atari Inc.-market share; telecommunication-market share; microcomputers-market share; video games-market share

1164983 DATABASE: NNI File 111
[redacted] **is fun.**
Davis, Bob
Wall Street Journal p1(W) p1(E) March 14 1983
CODEN: WSJOAF
col 1 045 col in.
illustration; portrait
EDITION: Mon
NAMED PEOPLE: Diamond, Charles-attitudes; Diamond, Mary Jane-attitudes; Pawlick, Edward-attitudes; Baine, Don-attitudes; Gookins, William L.-attitudes
DESCRIPTORS: microcomputers-public opinion; computers-home use

1164340 DATABASE: NNI File 111
Calculated move; Japan electronic firms like Matsushita, Sony push into computers; lagging consumer markets in world-wide recession prompt the diversifying; ominous for U.S. producers?
Lehner, Urban C.
Wall Street Journal p1(W) p1(E) March 8 1983
CODEN: WSJOAF
col 6 044 col in.
EDITION: Tue
GEOGRAPHIC LOCATION: Japan
GEOGRAPHIC CODE: AEJA SIC CODE: 3573; 3670
DESCRIPTORS: computer industry-Japan; Japan-industries; Matsushita Electric Industrial Corp.-planning; Sony Corp.-planning; Sharp Corp.-planning; electronic industries-Japan; microcomputers-Japan; Nippon Electric Corp.-planning
IDENTIFIERS: video discs-manufactures; digital audio disc systems-trade and manufacture

1160082 DATABASE: NNI File 111
Time Inc. in the video age: magazines surpassed.
Salmans, Sandra
New York Times v132 p21(N) pD1(L) March 7 1983
CODEN: NYTIA
col 3 019 col in.
illustration; portrait; graph
EDITION: Mon
SIC CODE: 2721; 2700
CAPTIONS: At Time Inc., the emphasis shifts to video.
NAMED PEOPLE: Munro, J. Richard-management; Sutton, Kelso-management; Levin, Gerald-management
DESCRIPTORS: Time Inc.-management; Time (periodical)-management; periodicals, publishing of-management; cable television-management; American Television and Communications-management; television-management; Home Box Office Inc.-management; publishers and publishing-management; Time-Life Books Inc.-finance

1156309 DATABASE: TI File 148
Two European institutions lead industry in home-banking: Nottingham Building Society, Verbraucher Bank projects are on the cutting edge of videotex.
Trigaux, Robert
American Banker v148 p12(2) March 8 1983
illustration
SIC CODE: 6000
DESCRIPTORS: banks and banking, British-innovations; banks and banking, German-innovations; Nottingham Building Society-innovations; Verbraucher Bank-innovations; Homelink (data transmission system)-services
IDENTIFIERS: videotext-international aspects

1156304 DATABASE: TI File 148
Penney signs letter to buy FirstHand.
Garsson, Robert M.
American Banker v148 p3(1) March 8 1983
SIC CODE: 5300; 6020
NAMED PEOPLE: MacIntire, Stuart C.-managment
DESCRIPTORS: stores, retail-planning; J.C. Penney Company Inc.-planning; First Bank System Inc.-services; FirstHand (data transmission system)-services
IDENTIFIERS: videotext-home use

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1156283 DATABASE: TI File 148
J.C. Penney to acquire interest in home banking, videotex project.
Garsson, Robert M.
American Banker v148 p3(2) March 7 1983
SIC CODE: 5300; 6020
DESCRIPTORS: retail trade-innovations; department stores-innovations; banks and banking-automation; J.C. Penney Company Inc.-planning; First Bank System Inc.-innovations; FirstHand (data transmission system)-planning
IDENTIFIERS: videotext-home use

1156119 DATABASE: TI File 148
4 banks launch joint venture to offer services nationwide.
Garsson, Robert M.
American Banker v148 p1(2) Feb 23 1983
A home banking service, VideoFinancial Services, is being formed by 4 large bank holding companies, with the likelihood of additional banks joining. The product will be provided through Knight-Ridder Newspapers Inc.'s Viewtron, which will be available this fall. Services through Viewtron will include home banking, news and shopping.
SIC CODE: 6711
DESCRIPTORS: bank holding companies-planning; Knight-Ridder Newspapers Inc.-planning; electronic funds transfers-planning; VideoFinancial Services-cooperative ownership; Banc One Corporation of Columbus, Ohio-planning; Security Pacific Corp.-planning; Wachovia Corp.-planning; Southeast Banking Corp.-planning
IDENTIFIERS: videotext-cooperative ownership

1153384 DATABASE: TI File 148
Linking frail elderly to the help network. (Lifeline emergency response system)
Dibner, Andrew S.
Nursing Homes v31 p12(4) Nov-Dec 1982
SIC CODE: 8060
DESCRIPTORS: emergency communication systems-home use; emergency medical services-communication systems; aged-communication systems; telecommunication systems-medical use; hospitals-emergency service

1152777 DATABASE: TI File 148
Computer retailing: dearth of salesmen.
Economist v286 p71(2) Jan 15 1983
illustration; chart
Retailers of the new home computers want bigger profits as the demands increase. Striving for greater market share, the manufacturers are seeking new ways of marketing their wares. Not only is there a need for creative hardware marketing, but software marketing is just as vital.
SIC CODE: 5081; 5733
CAPTIONS: Personal computers: US market shares.
DESCRIPTORS: microcomputers-marketing; computer industry-market share

1152552 DATABASE: TI File 148
Dealer costs cut on VCS, VIC, 99-4A. (home computer and video game businesses)
Retailing Home Furnishings v14 p1(3) Feb 14 1983
illustration; photograph; table
SIC CODE: 3651; 3573
CAPTIONS: Video games, home computers: three pricing tiers.
DESCRIPTORS: microcomputers-prices; video games-prices; computer industry-marketing; electronic industries-marketing; Commodore Corp.-prices; Atari Inc.-prices; Coleco Industries Inc.-marketing

1152211 DATABASE: TI File 148
Mammouth CES heralds enlarged industry.
Television Digest v23 p8(2) Jan 10 1983
SIC CODE: 4833
DESCRIPTORS: Winter Consumer Electronics Show-1983; television-conferences and congresses; electronic industries--conferences and congresses

1152206 DATABASE: TI File 148
GE shows future at CES.
Television Digest v22 p17(1) Dec 20 1982
SIC CODE: 3662
DESCRIPTORS: General Electric Co.-marketing; television-marketing; Consumer Electronics Show-1982

1152189 DATABASE: TI File 148
Hong Kong TV sales push at WCES.
Television Digest v22 p12(2) Dec 20 1982
GEOGRAPHIC LOCATION: Hongkong
GEOGRAPHIC CODE: AEHK SIC CODE: 3662
DESCRIPTORS: Winter Consumer Electronics Show-1982; Hongkong-industries; television-Hongkong

1152172 DATABASE: TI File 148
Flap over SCES move. (Summer Consumer Electronic Show)
Television Digest v22 p8(1) Dec 27 1982
SIC CODE: 3662
DESCRIPTORS: Summer Consumer Electronic Show-1983; television-conferences and congresses

1151710 DATABASE: TI File 148
Commercials that consumers want to watch.
Hallberg, Garth
Progressive Grocer v62 p35(3) Jan 1983
illustration; cartoon
SIC CODE: 7311; 4833
DESCRIPTORS: television advertising-innovations; cable television-innovations; Adams-Russell Inc.-innovations; J. Walter Thompson Co.-innovations; Cableshop-innovations
IDENTIFIERS: video shopping-innovations

1148861 DATABASE: TI File 148
AM stereo on parade at CES.
Broadcasting v104 p116(2) Jan 17 1983
SIC CODE: 3651
DESCRIPTORS: stereophonic broadcasting-equipment and supplies; Consumer Electronics Show-1983; radio supplies industry-exhibitions; radio-receivers and reception

1148812 DATABASE: TI File 148
Stark continuing slow vid expansion: big exec turnout at CES. (Consumer Electronics Show, Stark Record and Tape Service)
Paige, Earl
Billboard v95 p30(2) Jan 29 1983
SIC CODE: 5733
NAMED PEOPLE: Bonk, Jim-management
DESCRIPTORS: music trade-planning; Stark Record and Tape Service-planning; Consumer Electronics Show-evaluation
IDENTIFIERS: video discs and players-marketing

1148800 DATABASE: TI File 148
AM stereo developments get limited CES interest: few visitors at booths. (Consumer Electronics Show)
Billboard v95 p15(1) Jan 22 1983
GEOGRAPHIC LOCATION: Las Vegas, Nevada
GEOGRAPHIC CODE: NNUSWNVL SIC CODE: 4832
DESCRIPTORS: Consumer Electronics Show-exhibitions; KORK-AM, Las Vegas, Nevada (radio)-exhibitions; KMJJ-AM, Las Vegas, Nevada (radio)-exhibitions; stereophonic broadcasting-exhibitions

1148770 DATABASE: TI File 148
Computer software lures vidgame firms.
Foti, Laura
Billboard v95 p1(2) Jan 22 1983
Video game manufactures are scrambling to join the home computer software market, and plan to exhibit their wares at the next Consumer Electronics show later this year.
SIC CODE: 7372; 7814; 7379
DESCRIPTORS: Consumer Electronics Show-1983; minicomputers--marketing; computer industry-marketing; video games-industries ; computer programs-marketing

1148732 DATABASE: TI File 148
Mainsborne telecontrol gives bi-directional communication. (electric, gas and water utility load management)
Homer, J.M.
Modern Power Systems v3 p51(2) Jan 1983
illustration; chart; chart
GEOGRAPHIC LOCATION: Great Britain
GEOGRAPHIC CODE: ENUK SIC CODE: 4941; 4911; 4923; 4800
CAPTIONS: Mainsborne interactive control communications network.; Home unit and peripherals.
DESCRIPTORS: electric power-plants-load; telecommunication systems-industrial applications; electric meters-technological innovations; gas-meters-technological innovations; water-meters-technological innovations; Great Britain-energy

1147843 DATABASE: NNI File 111
Now the Beverly Hills crowd has a properly posh computer store.
Wall Street Journal p25(W) p29(E) Feb 25 1983
CODEN: WSJOAF
col 1 010 col in.
EDITION: Fri
GEOGRAPHIC LOCATION: California
GEOGRAPHIC CODE: NNUSWCA
NAMED PEOPLE: Gorainick, Murray-management
DESCRIPTORS: Beverly Hills, California-stores, shopping centers, etc.; Beverly Hills Computer Store-management; microcomputers-marketing

1147616 DATABASE: NNI File 111
Time Inc.'s HBO enters venture to make movies: move aims to secure rights for pay-TV operations; $75 million offering set.
Landro, Laura
Wall Street Journal p12(W) Feb 24 1983
CODEN: WSJOAF
col 1 008 col in.
EDITION: Thu
SIC CODE: 7813
DESCRIPTORS: Home Box Office Inc.-management; cable television-management; moving-picture industry-management; moving-pictures and television-innovations; television broadcasting of films-innovations

1147462 DATABASE: NNI File 111
Home-banking network due in Florida in September, but cost may limit appeal.
Darlin, Damon
Wall Street Journal p16(W) p12(E) Feb 23 1983
CODEN: WSJOAF
col 1 012 col in.
EDITION: Wed
SIC CODE: 6000
DESCRIPTORS: banks and banking-technological innovations; VideoFinancial Services-services; Knight-Ridder Newspapers Inc.-planning; American Telephone and Telegraph Co.-planning
IDENTIFIERS: videotext-home use

1146148 DATABASE: NNI File 111
Texas Instruments cuts dealer price on home computer.
Wall Street Journal p18(W) p22(E) Feb 10 1983
CODEN: WSJOAF
col 1 007 col in.
EDITION: Thu
DESCRIPTORS: Texas Instruments Inc.-prices; Texas Instruments 99-4A (computer)-prices; microcomputers-prices

1143827 DATABASE: NNI File 111
[redacted]
Brown, [redacted]
Washington Post v106 pC11 Feb 3 1983
col 3 013 col in.
EDITION: Thu
SIC CODE: 4833; 4899
DESCRIPTORS: United Satellite Communications Inc.-planning; Prudential Insurance Company of America-investment activities; television broadcasting-technological innovations; artificial satellites in telecommunication-home use

1143203 DATABASE: NNI File 111
[redacted]**. (found defect in 99-4A home computers)**
[redacted] v132 p29(N) pD5(L) Feb 23 1983
CODEN: NYTIA
col 1 003 col in.
EDITION: Wed
SIC CODE: 3573
DESCRIPTORS: Texas Instruments Inc.-quality control; microcomputers-defects; Texas Instruments 99-4A (computer)-defects; computer industry-quality control

1142838 DATABASE: NNI File 111
Satellite-home tv ruling.
New York Times v132 p34(N) pD8(L) Feb 16 1983
CODEN: NYTIA
col 5 004 col in.
EDITION: Wed
SIC CODE: 4899; 9631; 4833
DESCRIPTORS: artificial satellites in telecommunication-rules and regulations; United States. Federal Communications Commission-rules and regulations; Comsat General Corp.-cases; Satellite Television Corp.-cases; television broadcasting-technological innovations

1142818 DATABASE: NNI File 111
Groups assail plan for Bell divestiture.
Holendolph, Ernest
New York Times v132 p30(N) pD4(L) Feb 16 1983
CODEN: NYTIA
col 1 012 col in.
EDITION: Wed
GEOGRAPHIC LOCATION: New York (State)
GEOGRAPHIC CODE: NNUSLNY SIC CODE: 4800; 3661
NAMED PEOPLE: Groio, Paul L.-evidence
DESCRIPTORS: American Telephone and Telegraph Co.-management ; telecommunication-management; telephone-rates; National Assocation of State Utility Consumer Advocates-evidence; New York (State). Public Service Commission-officials and employees

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1142741   DATABASE: NNI File 111
  New HBO president named by Time Inc.
  New York Times   v132   p32(N) pD2(L)   Feb 15   1983
  CODEN: NYTIA
  col 5   008 col in.
  EDITION: Tue
  ARTICLE TYPE: biography
  NAMED PEOPLE: Heyworth,  James O.-selection and appointment;
Biondi, Frank J., Jr.-selection and appointment
  DESCRIPTORS:  Time Inc.-officials and employees;   Home  Box
Office Inc.-officials and employees; cable television-officia-
ls and employees


1142098   DATABASE: NNI File 111
  Hollywood takes on HBO; studios join in cable tie. (Home Box
Office)
  Salmans, Sandra
  New York Times   v132   p25(N) pD1(L)   Feb 3   1983
  CODEN: NYTIA
  col 2   026 col in.
  illustration; chart; portrait
  EDITION: Thu
  CAPTIONS: Hollywood's battle for pay T.V.
  NAMED PEOPLE: Heyworth, James-management
  DESCRIPTORS:    Home   Box  Office  Inc.-management;   cable
television-management; television broadcasting of films-econo-
mic aspects; moving-pictures-distribution


1140372   DATABASE: NNI File 111
  Upward mobility on the HBO corporate ladder. (Frank Biondi)
  Crook, David
  Los Angeles Times   v102   Section VI   p1   Feb 15   1983
  col 4   023 col in.
  illustration; portrait
  EDITION: Tue
  NAMED PEOPLE: Biondi, Frank-selection and appointment
  DESCRIPTORS:   Home Box Office Inc.-officials and employees;
television  industry-officials   and   employees;    cable
television-officials and employees


[redacted]
  American Banker   v148   p1(2)   Feb 2   1983
  illustration
  SIC CODE: 6020; 4833; 4811
  DESCRIPTORS: banks and banking-automation; data transmission
systems-experiments;  CBS  Inc.-experiments;  American  Bell
Consumer Products-experiments; electronic funds transfers-exp-
eriments
  IDENTIFIERS: videotext-home use
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1135984   DATABASE: TI File 148
  Video games on verge of retail saturation. (editorial)
  Guckert, Harry J.
  Playthings   v80   p4(1)   Dec   1982
  ARTICLE TYPE: editorial
  SIC CODE: 5945; 3999
  DESCRIPTORS: video games-marketing;  retail trade-marketing;
microcomputers-home use; toy industry-forecasts


1135901   DATABASE: TI File 148
  WCES alters face of industry.
  March, Susan
  Retailing Home Furnishings   v57   p55(2)   Jan 17   1983
  illustration; photograph
  This event once dominated by televisions, audio makers, etc.
has  some new leading products:  home computers,  video games,
and telephone vendors.
  SIC CODE: 3651; 3652
  DESCRIPTORS:  Consumer  Electronics  Show-1983;   electronic
apparatus and appliances-exhibitions; minicomputers-exhibitio-
ns; telephone-exhibitions; video games-exhibitions


1135848   DATABASE: TI File 148
  CES crowd seen with lean stocks. (Consumer Electronics Show)
  Retailing Home Furnishings   v57   p1(3)   Jan 3   1983
  illustration; photograph
  SIC CODE: 3651; 5730
  DESCRIPTORS:   stores,   retail-marketing;   Winter Consumer
Electronics   Show-1982;    electronic    apparatus    and
appliances-marketing;     home    video    systems-marketing;
minicomputers-marketing;   television-marketing;   video  tape
recorders and recording-marketing


1135593   DATABASE: TI File 148
  HBO-CBS-Columbia studio will have major impact.
  Television Digest   v22   p4(1)   Dec 6   1982
  SIC CODE: 4833
  DESCRIPTORS:    cable   television-management;    Home   Box
Office-management; CBS  Inc.-management;   Columbia  Pictures
Industries Inc.-management
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1134374 DATABASE: TI File 148
Game software intros will dominate CES including product for personal computers.
DeSiena, Bill
Merchandising v7 p29(3) Dec 1982
illustration; photograph
SIC CODE: 3652
DESCRIPTORS: video games-marketing; Consumer Electronics Show-1983

1133552 DATABASE: TI File 148
Find the right software first; then take the computer plunge. (mechanical contractor's shop size less important than management style)
Pierce, Wadsworth R.
Contractor v30 p9(3) Jan 1 1983
illustration; portrait
SIC CODE: 1711; 7372
NAMED PEOPLE: Scott, Richard T.-services; Hubert, Marvin H.-services; Levine, Richard-services
DESCRIPTORS: contractors-automation; computer programs-industrial applications; microcomputers-industrial applications

1132778 DATABASE: TI File 148
CBS, Time Inc. (HBO) and Coca-Cola (Columbia) join forces to prime pump in movie production.
Broadcasting v103 p35(2) Dec 6 1982
illustration; photograph
The three joined together to produce motion pictures, especially in the pay television field. Initial financing is said to be in $300 - $400 million range with half bank financed. The management will be separate from the 3 partners. Analysts say all will benefit, but Columbia's distribution deal is seen as very beneficial.
SIC CODE: 4899
DESCRIPTORS: Home Box Office Inc.-planning; CBS-Broadcast Group. CBS Cable-planning; Columbia Pictures Industries Inc.-planning; cable television-planning

1130448 DATABASE: NNI File 111
Time Inc. unit to use ger of M-A-Com to protect TV signal; Home Box Office to scramble satellite service to thwart microwave-dish owners.
Wall Street Journal p11(W) Jan 19 1983
CODEN: WSJOAF
col 2 008 col in.
EDITION: Wed
SIC CODE: 4899; 3661
DESCRIPTORS: Home Box Office-contracts and specifications; cable television-security measures; subscription television-security measures; copyright-broadcasting rights; M-A-Com Linkabit Inc.-contracts and specifications; telecommunication equipment industry-contracts and specifications

1130181 DATABASE: NNI File 111
[redacted] in a few places
Wall Street Journal Section 2 p19(W) p25(E) Jan 17 1983
CODEN: WSJOAF
col 4 025 col in.
EDITION: Mon
SIC CODE: 6000; 7374
DESCRIPTORS: banks and banking-innovations; microcomputers--home use; electronic data processing-innovations

1129301 DATABASE: NNI File 111
Graphic Scanning unit sues Time Inc.'s HBO, says shows withheld.
Wall Street Journal p4(W) p5(E) Jan 10 1983
CODEN: WSJOAF
col 5 006 col in.
EDITION: Mon
SIC CODE: 4899
DESCRIPTORS: Home Box Office-cases; California Satellite System-cases; cable television-cases; subscription television-cases

1129153 DATABASE: NNI File 111
U.S. reviews plans for big movie studio and pay-TV ventures.
Wall Street Journal p5(W) Jan 7 1983
CODEN: WSJOAF
col 2 004 col in.
EDITION: Fri
SIC CODE: 7813; 4800
DESCRIPTORS: United States. Department of Justice. Antitrust Div.-investigations; CBS Inc.-investigations; Columbia Pictures Industries Inc.-investigations; moving-picture industry-investigations; antitrust law-cases; Home Box Office-investigations; telecommunication-investigations; cable television-cases; Paramount Pictures Corp.-investigations; Universal Pictures-investigations; Warner Brothers Inc.-investigations

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1127719 DATABASE: NNI File 111
Consumers told how to face Bell breakup.
Sinclair, Molly
Washington Post v106 pC9 Jan 21 1983
col 1 010 col in.
EDITION: Fri
DESCRIPTORS: Consumer Federation of America-meetings
IDENTIFIERS: deregulation-telecommunication

1127583 DATABASE: NNI File 111
For computers, use determines insurance plan. (home vs. business use)
Nunes, Don
Washington Post v106 pWB15 Jan 10 1983
col 1 014 col in.
illustration; cartoon
EDITION: Mon
SIC CODE: 6300
DESCRIPTORS: microcomputers-economic aspects; insurance, homeowners-costs; insurance, burglary-costs; MPA Insurance Services Inc.-services; insurance companies-services; computer programs-economic aspects

1127561 DATABASE: NNI File 111
Economic gloom? It does not compute at electronics show.
Reid, T.R.
Washington Post v106 pA1 Jan 9 1983
col 1 035 col in.
illustration; photograph
EDITION: Sun
SIC CODE: 3670
DESCRIPTORS: Consumer Electronics Show-1983; electronic industries-exhibitions; electronic apparatus and appliances-exhibitions; computers-exhibitions; calculating-machines-exhibitions

1127542 DATABASE: NNI File 111
HBO's competitors create joint venture. (Home Box Office)
Brown, Merrill
Washington Post v106 pD8 Jan 8 1983
col 5 012 col in.
EDITION: Sat
DESCRIPTORS: Home Box Office Inc.-investigations; antitrust law-investigations; cable television-investigations; MCA Inc.-planning; Paramount Pictures Corp.-planning; Warner Communications Inc.-planning; American Express Co.-planning; Viacom International Inc.-planning

1127533 DATABASE: NNI File 111
Home computers steal show. (1983 Winter Consumer Electronics Show)
Reid, T.R.
Washington Post v106 pC8 Jan 7 1983
col 1 016 col in.
EDITION: Fri
DESCRIPTORS: Walt Disney Telecommunications Inc.-planning; Panasonic Co.-planning; microcomputers-marketing; Consumer Electronics Show-1983

1123422 DATABASE: NNI File 111
Cable-video: frayed at the edges.
Crook, David
Los Angeles Times v102 Section C p5 Jan 2 1983
col 1 028 col in.
EDITION: Sun
DESCRIPTORS: cable television-innovations; television industry-mergers and consolidations; video tape recorders and recording-marketing; Motion Picture Association of America-political activity; copyright-broadcasting rights; video games-marketing; Home Box Office Inc.-finance

1106231 DATABASE: NNI File 111
Direct satellite-to-home TV is given nod: FCC may end certain curbs on networks. (Federal Communications Commission)
Wall Street Journal p15(W) p7(E) June 24 1982
CODEN: WSJOAF
col 1 012 col in.
EDITION: Thu
SIC CODE: 9631; 4833; 4899
DESCRIPTORS: United States. Federal Communications Commission-rules and regulations; CBS Inc.-services; RCA Corp.-services; television broadcasting-innovations; artificial satellites in telecommunication-television use; television industry-licenses

1100806 DATABASE: TI File 148
[redacted] plans 'digital TV' set next year.
v22 p9(3) June 21 1982
and video signal processing allows tv set to become computer with progammable functions. Zenith looking to break even initially as IC manufacture mean savings in assembly. Sales potential will be in interface with peripherals, e.g. home computers, teletext, etc.
SIC CODE: 3651
DESCRIPTORS: Zenith Radio Corp.-manufactures; television-receivers and reception; digital communications-equipment and supplies

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1100424 DATABASE: MI File 47
Wristwatch walkman. (Consumer Electronics Show)
Newsweek v99 p55(1) June 21 1982
CODEN: NSWKA
illustration; photograph
SIC CODE: 3670
DESCRIPTORS: Consumer Electronics Show-1982; electronic industries-exhibitions; radio-technological innovations; Brother Industries-technological innovations

1095692 DATABASE: TI File 148
Compact disc software is no nearer U.S. market.
Billboard v94 p4(2) June 19 1982
SIC CODE: 3652
DESCRIPTORS: Compact Disc-technological innovations; Consumer Electronics Show-1982; phonorecords-technological innovations

1095682 DATABASE: TI File 148
CES takes hard look at upcoming software.
Foti, Laura; McCullaugh, Jim
Billboard v94 p1(2) June 19 1982
SIC CODE: 5730
DESCRIPTORS: Consumer Electronics Show-1982; video games-marketing; video tape recorders and recording-marketing
IDENTIFIERS: video discs and players-marketing

1091921 DATABASE: NNI File 111
The home computer arrives: price decline spurs sales.
Pollack, Andrew
New York Times v131 p33(N) pD1(L) June 17 1982
CODEN: NYTIA
col 3 039 col in.
illustration; photograph; chart
EDITION: Thu
SIC CODE: 3573
CAPTIONS: The under-$1,000 computer market.
DESCRIPTORS: microcomputers-home use; computer industry-finance; Commodore International Ltd.-finance; Atari Inc.-finance ; Texas Instruments Inc.-finance; Tandy Corp. Radio Shack Div.-finance

1088037 DATABASE: TI File 148
AT & T and IBM: shaping home information services.
American Banker v147 p16(2) June 15 1982
SIC CODE: 6020; 4800; 7379
DESCRIPTORS: information services-home use; American Telephone and Telegraph Co.-technological innovations; International Business Machine Corp.-technological innovations ; telecommunication-information services; computer industry-information services

1086356 DATABASE: TI File 148
CES. (Consumer Electronics Show)
Greenberg, Manning
Retailing Home Furnishings v56 p1(3) June 14 1982
illustration; photograph
SIC CODE: 3651
DESCRIPTORS: Consumer Electronics Show-1982; electronic industries-exhibitions

1086242 DATABASE: TI File 148
High noon for games.
Television Digest v22 p13(1) June 14 1982
SIC CODE: 3651
DESCRIPTORS: video games-marketing; Consumer Electronics Show-1982

1086236 DATABASE: TI File 148
Color at record again as CES opens.
Television Digest v22 p7(2) June 14 1982
SIC CODE: 3651
DESCRIPTORS: Consumer Electronic Show-1982; electronic industries-exhibitions; television industry-exhibitions

1081528 DATABASE: TI File 148
Breakthroughs on horizon for stereo vid.
McCullaugh, Jim
Billboard v94 p4(2) June 12 1982
SIC CODE: 3652
DESCRIPTORS: Consumer Electronics Show-marketing; RCA Corp.-marketing
IDENTIFIERS: video discs and players-marketing

1081521 DATABASE: TI File 148
CES keeps high profile.
Foti, Laura; McCullaugh, Jim
Billboard v94 p1(2) June 12 1982
The Consumer Electronics Show has set the stage for newer and better electronic innovations ranging from stereophonic sound systems to more complete and sophisticated video products.
SIC CODE: 3651; 5730
DESCRIPTORS: Consumer Electronics Show-1982; electronic apparatus and appliances-technological innovations; stereophonic sound systems-technological innovations
IDENTIFIERS: video discs and players-technological innovations

1075577 DATABASE: NNI File 111
Electronics show: sales mood somber.
New York Times v131 p43(N) pD5(L) June 9 1982
CODEN: NYTIA
col 1 010 col in.
EDITION: Wed
SIC CODE: 3670
DESCRIPTORS: Consumer Electronics Show-1982; electronic industries-exhibitions

1075500 DATABASE: NNI File 111
The video game sales war: newcomers flood market.
Pollack, Andrew
New York Times v131 p31(N) pD1(L) June 9 1982
CODEN: NYTIA
col 3 023 col in.
illustration; photograph
EDITION: Wed
SIC CODE: 3670
DESCRIPTORS: video games-marketing; Consumer Electronics Show-1982; electronic industries-marketing; electronic toys-marketing; Coleco Industries-innovations; Emerson Radio Corp.-innovations; Commodore International Ltd.-innovations; Imagic Corp.-innovations; Apollo Inc.-innovations

1072371 DATABASE: TI File 148
Component TV age arrives.
[redacted] v53 p3(2) June 7 1982
SIC CODE: 3651
DESCRIPTORS: Consumer Electronics Show-planning; television-technological innovations; Sony Corp.-technological innovations; Zenith Radio Corp.-technological innovations

1071984 DATABASE: TI File 148
Mood is uncertain at show's opening. (Consumer Electronics Show)
Greenberg, Manning
Retailing Home Furnishings v56 p81(2) June 7 1982
SIC CODE: 3651
DESCRIPTORS: Consumer Electronics Show-1982; electronic industries-exhibitions

1071297 DATABASE: NNI File 111
Big electronics show belies serious trouble for many in industry.
Wall Street Journal p10(W) June 7 1982
CODEN: WSJOAF
col 3 006 col in.
EDITION: Mon
SIC CODE: 3670
DESCRIPTORS: Consumer Electronics Show-exhibitions; electronic industries-exhibitions

1067119 DATABASE: NNI File 111
Store offers computer file of catalogues. (includes Catalogia computer shopping service, The Source electronic telegram service) (Consumer Saturday)
Alexander, Ron
New York Times v131 p20(N) p10(L) June 5 1982
CODEN: NYTIA
col 1 017 col in.
EDITION: Sat
SIC CODE: 4800
NAMED PEOPLE: Reeves, Hazard-technological innovations
DESCRIPTORS: retail trade-technological innovations; catalogs, commercial-technological innovations; information storage and retrieval systems-retail trade; data libraries-technological innovations; Western Union-services; telecommunication-technological innovations; The Source-services; Catalogia-services
IDENTIFIERS: video retail-technological innovations; electronic mail-technological innovations

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1066046 DATABASE: TI File 148
Computer retailing: chains carve out market share.
Paikert, Charles
Chain Store Age - Executives Edition v58 p15(3) June 1982
illustration; photograph; graph
Sudden increase in sales of microcomputers has made stores like Radio Shack and Computerland big winners. Coming into the retail side are IBM, Xerox, and Sears Roebuck. All see a bright future for computers for home and office.
SIC CODE: 5732
CAPTIONS: Average computer store sales.
NAMED PEOPLE: Reynolds, Jim-management
DESCRIPTORS: microcomputers-marketing; Tandy Corp.-management; Computerland-management; The Xerox Store-management; Sears Roebuck and Co.-management; computers-marketing

1064117 DATABASE: TI File 148
Big 'E' shows its strength: record set in most "numbers" categories with credit spread among (a) no '82 SAS; (b) close to home travel economies; (c) Atlantic City's growing entertainment attractions. (International Summer Consumer Electronics Show)
Home & Auto v91 p1(3) June 1 1982
illustration; photograph
SIC CODE: 3651; 3714; 5013; 5531; 7399
DESCRIPTORS: International Summer Consumer Electronics Show-1982; automobile supplies industry-exhibitions; automobiles-electronic equipment

1064116~1064116 DATABASE: TI File 148
Summer CES list tops 1,000 level for the first time. (International Summer Consumer Electronics Show)
Home & Auto v91 p1(2) June 1 1982
illustration; photograph
SIC CODE: 3651; 3714; 5013; 5531; 7399
NAMED PEOPLE: Wayman, Jack-forecasts
DESCRIPTORS: International Summer Consumer Electronics Show-1982; automobile supplies industry-exhibitions; automobiles-electronic equipment

1064109 DATABASE: TI File 148
State of aftermarket's health hard to pin down. (automotive) (editorial)
Weinberg, Dick
Home & Auto v91 p24(1) June 1 1982
ARTICLE TYPE: editorial
SIC CODE: 5013; 5531
DESCRIPTORS: automobile supplies industry-marketing; retail trade-economic aspects; International Summer Consumer Electronics Show-1982

1057546 DATABASE: TI File 148
High-tech home center set. (Anova Master System has phone, controls, and security)
Neiman, Janet
Advertising Age v53 p2(2) May 31 1982
SIC CODE: 3600
DESCRIPTORS: Dart and Kraft. Anova Electronics Div.-technological innovations; electronic industries-exhibitions; Consumer Electronics Show-1982; telephone-technological innovations; dwellings-security measures; automatic control-home use

1057355 DATABASE: TI File 148
CES seminars.
Television Digest v22 p12(1) May 31 1982
SIC CODE: 3651
DESCRIPTORS: electronic industries-exhibitions; Consumer Electronics Show-1982

1043566 DATABASE: TI File 148
Teleshopping. (for the home furnishings and textiles)
Retailing Home Furnishings v56 pTR29(5) May 24 1982
illustration; photograph
SIC CODE: 2200; 2299
DESCRIPTORS: shopping-automation; retail trade-automation; catalogs, commercial-automation; house furnishings industry and trade-marketing; textile industry-marketing; fabric shops-marketing
IDENTIFIERS: video retail-marketing; videotext-usage

1009903 DATABASE: TI File 148
Jim Jimirro: Foreign vid market is 'starting over' point, says Disney exec.
McCullaugh, Jim
Billboard v94 p4(2) May 8 1982
ARTICLE TYPE: biography
SIC CODE: 5730
NAMED PEOPLE: Jimirro, Jim-biography
DESCRIPTORS: executives-biography; businessmen-biography; Disney Home Video-technological innovations; Walt Disney Telecommunication and Non-Theatrical-management; video tape recorders and recording-marketing

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0945450   DATABASE: TI File 148
   ANPA-RI  shows prototype of 1-way teletext unit for consumer
market.
   Editor & Publisher    v115    p35(1)    April 3    1982
   illustration; photograph
   SIC CODE: 2711; 4811
   DESCRIPTORS: American Newspaper Publishing Association-rese-
arch; teletext (data transmission system)-research
   IDENTIFIERS: video retail-research


0945444   DATABASE: TI File 148
   British consumers willing to pay for at-home shopping, study
says.
[redacted]          v115    p18(1)    April 3    1982
   GEOGRAPHIC CODE: ENUK    SIC CODE: 4811; 2711
   DESCRIPTORS:   subscription television-Great Britain;  Great
Britain-communication systems
   IDENTIFIERS:  video retail-public opinion;  videotext-public
opinion


0903861   DATABASE: TI File 148
   Viewdata:   the information society.  (excerpt from Viewdata
and the Information Society)
   Martin, James
   Computerworld    v16    p67(5) [redacted]
   illustration
   SIC CODE: 3573; 4899
   DESCRIPTORS:    Viewdata    and    the    Information    Society
(book)-excerpts; data transmission systems-forecasts; computer
terminals-home use
   IDENTIFIERS: videotext-forecasts


0903859   DATABASE: TI File 148
   Telecommuting: high tech's new cottage industry.
   Farrarini, Elizabeth; Farrell, Gail
   Computerworld    v16    p63(3)    March 17    1982
   illustration
   SIC CODE: 4800
   DESCRIPTORS:   cottage industries-technological innovations;
home labor-electronic equipment; telecommunication-home use


0809387   DATABASE: TI File 148
   Video music software flexes muscles at CES: more due.
   McCullaugh, Jim
   Billboard    v94    p6(2)    Jan 30    1982
   SIC CODE: 5730
   DESCRIPTORS:   video tape recorders and recording-marketing;
Consumer Electronics Show-marketing
   IDENTIFIERS: video discs and players-marketing
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0780740   DATABASE: TI File 148
   Portable digital system via Sony at Vegas meet.
   Penchansky, Alan
   Billboard    v94    p5(1)    Jan 16    1982
   SIC CODE: 3652
   DESCRIPTORS: Sony Corp.-technological innovations;  Consumer
Electronics Show-1982; sound-recording and reproducing
   IDENTIFIERS: digital recording-technological innovations


0780739   DATABASE: TI File 148
   Strong growth predicted at opening CES session.
   McCullaugh, Jim
   Billboard    v94    p5(2)    Jan 16    1982
   SIC CODE: 5730
   DESCRIPTORS:    Consumer  Electronic  Show-1982;    video tape
recorders and recording-marketing
   IDENTIFIERS: video discs and players-marketing


0767728   DATABASE: TI File 148
   Technological advances evident in audio gear.
   Foti, Laura
   Billboard    v94    p12(2)    Jan 9    1982
   SIC CODE: 3652
   DESCRIPTORS: Consumer Electronics Show-1982; phonorecords-m-
arketing; phonotapes-marketing; magnetic tapes-marketing
   IDENTIFIERS: cassette tapes-marketing


0767718   DATABASE: TI File 148
   Wonderland of hi tech at Vegas CES.
   McCullaugh, Jim
   Billboard    v94    p1(3)    Jan 9    1982
   SIC CODE: 3652; 3651; 5730; 9914
   DESCRIPTORS:     Consumer     Electronics     Show-1982;     video
games-marketing; video tape recorders and recording-marketing;
microcomputers-marketing; magnetic recorders and recording-ma-
rketing
   IDENTIFIERS: video discs and players-marketing
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0767684 DATABASE: TI File 148
New product intros highlight the winter CES in Las Vegas. (Consumer Electronics Show)
Silverman, William
Merchandising v7 p17(1) Jan 1982
SIC CODE: 3651
DESCRIPTORS: Consumer Electronics Show-1982; electronic industries-exhibitions; electronic apparatus and appliances-exhibitions

0592104 DATABASE: TI File 148
Home is where the fun is. (home uses for computers)
Conniff, Richard
Medical Economics v59 p172(9) Nov 22 1982
illustration; photograph
SIC CODE: 8011
DESCRIPTORS: computers-home use; microcomputers-home use; physicians-recreational activities

0589862 DATABASE: TI File 148
Software in action; business computer systems 2.
Tattar, Scott D.
Motor Age p19(5) Nov 1982
illustration; photograph; table
Only 15-20% of auto repair shops are currently using small business computers. Within next 5 years many more applications software designed especially for repair shop management will be available. Included in article are illustrations of typical readouts and menu selection appearing on screen to guide user through steps to entering data.
SIC CODE: 7538; 7372
CAPTIONS: A guide to picking software for your business hardware.
DESCRIPTORS: automobile industry and trade-automation; microcomputers-automobile industry; computer programs-automobile industry

0588857 DATABASE: TI File 148
Viewtron looks good as a news medium.
[redacted] v114 p11(1) Nov 7 1981
SIC CODE: 4899
DESCRIPTORS: Viewdata Corp.-testing; information storage and retrieval systems-home use; Viewtron (data transmission system)-testing
IDENTIFIERS: videotext-testing

0587888 DATABASE: TI File 148
Computers tabbed for big gains.
Chain Store Age - General Merchandising Edition v58 p41(2) Dec 1982
illustration; photograph; table
SIC CODE: 5000
CAPTIONS: Computer shoppers are affluent and hopeful.
DESCRIPTORS: microcomputers-purchasing; consumers-surveys; computers-purchasing; retail trade-surveys; stores, retail-public opinion

0587792 DATABASE: TI File 148
Here comes another quantum leap. (interview with Jerry Levin)
Broadcasting v103 p54(5) Nov 15 1982
illustration; portrait
SIC CODE: 4899
NAMED PEOPLE: Levin, Jerry-management
DESCRIPTORS: Home Box Office Inc.-management; cable television-management

0587789 DATABASE: TI File 148
The HBO story: 10 years that changed the world of telecommunications.
Broadcasting v103 p48(3) Nov 15 1982
illustration; table
HBO now penetrates nearly 50% of cable homes and its profits rank it above NBC. Timely financing by Time and favorable rulings by the FCC helped it through its hard times. Officials claim it has changed the nature of TV by demonstrating consumer willingness to pay for entertainment. It is currently involved in procuring programming from movie industry and sees increasing competition from other services.
SIC CODE: 4899
CAPTIONS: HBO subscriber and affiliate growth.
DESCRIPTORS: Home Box Office Inc.-growth and development; cable television-growth and development

0587373 DATABASE: TI File 148
HVN lacking programming pacts.
Reiss, Craig
Advertising Age v53 p43(1) Nov 29 1982
SIC CODE: 4899
NAMED PEOPLE: Cohen, Arthur-planning
DESCRIPTORS: American Broadcasting Cos. Video Enterprises' Home View Network-planning; cable television-planning

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0584581 DATABASE: NNI File 111
Pounding of home video game sellers spreads to suppliers, others amid weak holiday sales.
Putka, Gary
Wall Street Journal Section 2 p43(W) p55(E) Dec 10 1982
CODEN: WSJOAF
col 2 017 col in.
EDITION: Fri
SIC CODE: 3670; 6231
DESCRIPTORS: video games-marketing; Warner Communications Inc.-marketing; microcomputers-home use; General Instrument Corp.-forecasts; electronic industries-forecasts; Southland Corp.-forecasts; stock-exchange-analysis

0580368 DATABASE: NNI File 111
Managing your portfolio on a home computer.
Pollack, Andrew
New York Times v132 Section 12 pPI56(N) pPI56(L) Dec 12 1982
CODEN: NYTIA
col 1 037 col in.
EDITION: Sun
DESCRIPTORS: microcomputers-home use; stocks-analysis; investment analysis-purchasing; computer programs-home use

0576968 DATABASE: TI File 148
Money fund offered via home computer: Liquid Green Trust available on CompuServe Information network.
Tyson, David O.
American Banker v147 p1(4) Dec 17 1982
illustration
SIC CODE: 6200
DESCRIPTORS: investment trusts-automation; computers-home use; Liquid Green Trust-automation; CompuServe Information Service-services
IDENTIFIERS: videotext-innovations

0573660 DATABASE: TI File 148
IATSE reaches accord on taping plays for TV.
Backstage v23 p30(2) Oct 22 1982
SIC CODE: 7814
DESCRIPTORS: International Alliance of Theatrical Stage Employees-contracts and specifications; Home Box Office Inc.-contracts and specifications; RKO-Nederlander-contracts and specifications; cable television-contracts and specifications; television industry workers-contracts and specifications; feature films-television use

0573081 DATABASE: TI File 148
Forecasting 1983 hardware. (home computers)
Braden, Lisa; St. Marie, David
Retailing Home Furnishings v56 pC20(2) Nov 1 1982
illustration; photograph
SIC CODE: 5734; 3573
NAMED PEOPLE: Smith, Clive-forecasts
DESCRIPTORS: minicomputers-forecasts; microcomputers-forecasts; Yankee Group-officials and employees; business consultants-forecasts

0573080 DATABASE: TI File 148
The low end is moving up. (stores marketing home computers)
Retailing Home Furnishings v56 pC16(2) Nov 1 1982
illustration; photograph; graph; table; chart
SIC CODE: 5734
CAPTIONS: Personal computer software market forecast.; Projected sales of mass market computers, 1982.; Changing segmentation of the home personal computer market.
DESCRIPTORS: minicomputers-marketing; microcomputers-marketing; stores, retail-marketing

0572755 DATABASE: TI File 148
JVC, Sharp out of CES. (Consumer Electronic Show)
Television Digest v22 p14(1) Nov 1 1982
SIC CODE: 3662
DESCRIPTORS: Consumer Electronic Show-1982; JVC Corp.-marketing; Sharp Corp.-marketing

0572748 DATABASE: TI File 148
CES momentum builds. (Consumer Electronics Show)
Television Digest v22 p13(1) Nov 8 1982
SIC CODE: 3651
DESCRIPTORS: Consumer Electronics Show-1983; television industry-exhibitions; video tape recorders and recording-exhibitions

0572745 DATABASE: TI File 148
Mattel's computer. (home computer)
Television Digest v22 p12(1) Nov 1 1982
SIC CODE: 3674
DESCRIPTORS: Mattel Inc.-marketing; microcomputers-marketing

0572725 DATABASE: TI File 148
NBC exec. vp.-gen. counsel Corydon Dunham predicted that pay-TV revenues from consumers will reach $18 billion by 1990.
Television Digest v22 p3(2) Oct 25 1982
SIC CODE: 4833
NAMED PEOPLE: Dunham, Corydon-forecasts
DESCRIPTORS: subscription television-forecasts; cable television-forecasts; Television Digest (periodical)-seminars, workshops, etc.

0572449 DATABASE: TI File 148
Prestel videotex - the present and the future.
Orr, David
Telecommunications v16 p47(2) Oct 1982
illustration; photograph
SIC CODE: 4899; 4811
DESCRIPTORS: data transmission systems-home use; Prestel (data transmission system)-history
IDENTIFIERS: videotext-testing

0572194 DATABASE: TI File 148
Personal computers: the 12 most asked questions.
Blundell, Greggory S.
Data Management v20 p26E(6) Oct 1982
illustration; chart; graph; chart
The state of the personal computer market is discussed in the answers to 12 prime questions. Since their introduction in 1975, the installed base of personal computers has reached 1.76 million which are divided among users in business, education, and at home. The market is expected to grow as 16-bit and then 32-bit architectures are adopted and smaller, better, and less expensive systems develop.
SIC CODE: 3573; 5081
CAPTIONS: 1981 worldwide personal computer shipment shares by vendor.; Annual worldwide personal computer shipments.; United States installed base by market segment.
DESCRIPTORS: microcomputers-marketing; computer industry-marketing

0571468 DATABASE: TI [redacted]
DeSiena, Bill
[redacted] v7 p16(3) Oct 1982
illustration; table; table; table; table; table
650 retailers were polled to see who is selling and who plans to sell home computers in their stores. 20.8% currently carry personal computers. 40.3% are planning to stock computers in the future. The reason for the growth is the drop in price of the home computers. Personal computers are now affordable to the consumer.
SIC CODE: 5700
CAPTIONS: Type of responding company.; Which of the following brands of personal computers do you stock?; Which of the following are the three most popular peripherals?; Will you stock software?; Do you plan to have trained salespeople selling personal computers?
DESCRIPTORS: Merchandising (periodical)-surveys; stores, retail-surveys; computers-public opinion; minicomputers-public opinion; merchants-surveys

0571135 DATABASE: TI File 148
The third generation. (children growing up with computers) (column)
Lusa, John M.
Infosystems v29 p16(1) Oct 1982
ARTICLE TYPE: column
SIC CODE: 3573
DESCRIPTORS: computers-home use; microcomputers-home use; children-recreational activities

0569234 DATABASE: TI File 148
Computers take a big byte of magazine field: no longer just hobbyists, readers are teachers, writers, managers.
Nash, Ed.
Advertising Age v53 pM10(2) Oct 25 1982
illustration; photograph
Magazines for home computing are attracting increasing audience. Leading publications in the field are described. With increasing usage of computers, these periodicals seem to hold their own against recession.
SIC CODE: 2721
DESCRIPTORS: microcomputers-periodicals

0567822 DATABASE: NNI File 111
[redacted]
CODEN: WSJOAF
col 2 016 col in.
EDITION: Fri
DESCRIPTORS: cable television-marketing; television-marketing; Movie Channel-marketing; Playboy Channel-marketing; Home Box Office Inc.-marketing; Showtime Entertainment Inc.-marketing

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0566538 DATABASE: NNI File 111
Computer perk: more firms offer workers a break to buy home computers.
Greenberger, Robert S.
Wall Street Journal p1(W) p1(E) Nov 9 1982
CODEN: WSJOAF
col 5 003 col in.
EDITION: Tue
SIC CODE: 3573
DESCRIPTORS: computer industry-personnel management; microcomputers-purchasing

0566390 DATABASE: NNI File 111
Changing sce[redacted] in pay-TV field faces increasing challenges: studios refuse to distribute films it has stakes in, and new rivals crop up: the 'On Golden Pond' case.
Landro, Laura; Sansweet Stephen J.
Wall Street Journal p1(W) 1(E) Nov 8 1982
CODEN: WSJOAF
col 6 047 col in.
EDITION: Mon
SIC CODE: 7813; 4899
DESCRIPTORS: Home Box Office Inc.-market share; cable television-market share; moving-picture industry-distribution; subscription television-market share; On Golden Pond (moving-picture)-marketing

0564740 DATABASE: NNI File 111
Survey finds stores with bargain prices on computers often provide best service.
Washington Post v105 pWB3 Nov 22 1982
col 1 021 col in.
EDITION: Mon
GEOGRAPHIC LOCATION: Washington, D.C.
GEOGRAPHIC CODE: NNUSLDC
DESCRIPTORS: microcomputers-prices; Washington Consumers' Checkbook (periodical)-surveys; Washington, D.C.-prices

0558435 DATABASE: TI File 148
Human factors play role in videotex development.
Bolton, Ted
American Banker v147 p21(2) Oct 19 1982
SIC CODE: 6020
DESCRIPTORS: banks and banking-innovations; electronic funds transfers-home use
IDENTIFIERS: videotext-home use

0558434 DATABASE: TI File 148
Venture one: a look at AT&T's role in videotex.
American Banker v147 p20(1) Oct 19 1982
SIC CODE: 4800
DESCRIPTORS: American Telephone and Telegraph Co.-innovations; information services-home use
IDENTIFIERS: videotext-home use

0558433 DATABASE: TI File 148
Money lies in terminal market, not home banking.
Kirk, Doug
American Banker v147 p19(3) Oct 19 1982
SIC CODE: 6020
DESCRIPTORS: electronic funds transfers-forecasts; banks and banking-innovations
IDENTIFIERS: videotext-finance

0558432 DATABASE: TI File 148
Legal issues of home banking still developing.
Carwile, Stuart F.
American Banker v147 p18(4) Oct 19 1982
SIC CODE: 6020
DESCRIPTORS: banking law-forecasts; electronic funds transfers-law and legislation; Electronic Fund Transfer Act-analysis; United States. Federal Reserve Board-rules and regulations
IDENTIFIERS: videotext-law and legislation

0558431 DATABASE: TI File 148
Hypothetical status report forecasts services, costs. (home banking)
Reistad, Dale
American Banker v147 p16(4) Oct 19 1982
illustration
SIC CODE: 6020
DESCRIPTORS: banks and banking-innovations
IDENTIFIERS: videotext-forecasts

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0558430 DATABASE: TI File 148
Home banking: services set to meet farmers' needs.
MacIntire, Stuart C.
American Banker v147 p15(4) Oct 19 1982
illustration; chart
SIC CODE: 6020
CAPTIONS: Recent developments in banking at home.
DESCRIPTORS: banks and banking-innovations; farmers-information services
IDENTIFIERS: videotext-home use

0558417 DATABASE: TI File 148
Home banking reaches critical juncture.
Trigaux, Robert
American Banker v147 p1(2) Oct 19 1982
An increasing number of both large and small financial institutions are becoming a part of videotex systems, especially through franchises. One franchise is Chemical Bank's "Pronto," which the bank is offering nationwide to other financial institutions. Services possible through videotex networks include automated teller machines, point-of-sales systems and home banking.
SIC CODE: 6020
DESCRIPTORS: banks and banking-innovations; electronic funds transfers-home use
IDENTIFIERS: videotext-home use

0554115 DATABASE: TI File 148
Cable's programming array of movies, music and sports. (Warner Amex's MTV and HBO)
Rubin, Marcy Gray; Levinsohn, Craig L.
Backstage v23 p28(3) Oct 1 1982
SIC CODE: 4833; 7814
NAMED PEOPLE: Schaeffer, Quentin-attitudes; Abraham, Seth-attitudes
DESCRIPTORS: cable television-planning; Home Box Office Inc.-planning; Warner Amex Cable Communications Inc.-planning

0554105 DATABASE: TI File 148
Shows for all seasons, cable struts its stuff. (1982-83 season)
Rubin, Marcy Gray
Backstage v23 p1(5) Sept 17 1982
SIC CODE: 7814; 4833
NAMED PEOPLE: Frank, Sarah-forecasts; Mills, Jim-forecasts; Plunkett, Anne-forecasts
DESCRIPTORS: Entertainment Channel-forecasts; Showtime Entertainment Inc.-forecasts; Home Box Office Inc.-forecasts; Warner Amex. Movie Channel-forecasts; cable television-forecasts; subscription television-forecasts; television programs-forecasts

0553270 DATABASE: TI File 148
The spring-fall show storm. (National Housewares Manufacturers Assoc.)
Retailing Home Furnishings v56 p6(2) Oct 18 1982
illustration; table
Beginning in March of 1984 all national home furnishings trade shows will be on a spring-fall schedule. The only exception to this is the consumer electronics show. Department stores are in favor of this. Manufactures look forward to fewer shows a year.
SIC CODE: 2392; 5700
CAPTIONS: Home furnishings market dates. (for 1984)
DESCRIPTORS: house furnishings industry and trade-exhibitions; National Housewares Manufacturers Association-exhibitions

0553263 DATABASE: TI File 148
Home computers due from Japan.
Inaba, Minoru
Retailing Home Furnishings v56 p1(3) Oct 4 1982
illustration; photograph
GEOGRAPHIC LOCATION: Japan
GEOGRAPHIC CODE: AEJA SIC CODE: 3573
DESCRIPTORS: computer industry-Japan; Japan-industries; microcomputers-marketing; minicomputers-marketing; Matsushita Electric Industrial Company Ltd.-manufactures; Tomy Corp.-manufactures; NEC Microcomputers Inc.-manufactures; Casio Computer Inc.-manufactures; Hitachi Ltd.-manufactures; Toshiba Corp.-manufactures

0553261 DATABASE: TI File 148
CES gets 25% more show area. (Consumer Electronics Show)
March, Susan
Retailing Home Furnishings v56 p1(3) Sept 27 1982
SIC CODE: 3651
NAMED PEOPLE: Wayman, Jack-management
DESCRIPTORS: Winter Consumer Electronics Show-1982; electronic industries-exhibitions

0553251 DATABASE: TI File 148
Bridal registries get the electronic edge.
Gift & Decorative Accessories v83 p92(3) Sept 1982
illustration; photograph
SIC CODE: 5621; 7372
DESCRIPTORS: gift shops-electronic equipment; microcomputers-industrial applications; Bridal Registry in a Data Environment-analysis

0553077 DATABASE: TI File 148
Radio Shack line. (strong emphasis on video)
Television Digest v22 p15(1) Oct 4 1982
SIC CODE: 3662
DESCRIPTORS: Radio Shack-marketing; computers-marketing; microcomputers-marketing; video tape recorders and recording-marketing; home video systems-marketing
IDENTIFIERS: video discs and players-marketing

0553075 DATABASE: TI File 148
Matsushita, CBS, to computers. (new in home computer market)
Television Digest v22 p15(1) Oct 4 1982
SIC CODE: 3662
DESCRIPTORS: Matsushita Electric Industrial Company Ltd.-manufactures; CBS-Columbia Group. CBS Software-manufactures; microcomputers-marketing; home video systems-marketing

0551199 DATABASE: TI File 148
Business computer systems 1: hard facts on hardware.
Tattar, Scott D.
Motor Age v101 p19(3) Oct 1982
illustration; photograph
[redacted] have personal computers as a business aid. A solid manual bookkeeping system must be in place before purchasing a computer, if the computer is to take over some accounting functions. If shop is not grossing $300 per day a computer may not be the answer. Employing an accounting service at fees from $100-$500 per month or buying services of a time-sharing company may be alternative.
SIC CODE: 7538
DESCRIPTORS: microcomputers-automobile industry; automobile industry and trade-computer programs; time-sharing computer systems-automobile industry; on-line data processing-automobile industry; accounting-automobile industry

0551164 DATABASE: TI File 148
Software shake-out, better games, cheaper computers predicted. (video games)
Krueger, Anne
Merchandising v7 p60(3) Sept 1982
illustration; photograph
Some manufacturers give their predictions on video games. Some believe the market will become overloaded, while others believe there is no end to the market.
SIC CODE: 3652
NAMED PEOPLE: Grubb, William F.X.-quotations; Kahn, Al-quotations; Roper, Pat-quotations; Knazick, Saul-quotations
DESCRIPTORS: video games-forecasts; microcomputers-home use

0550008 DATABASE: TI File 148
Associated Press studies tailored videotex news.
Radolf, Andrew
Editor & Publisher v115 p15(1) Oct 9 1982
SIC CODE: 2711; 4899
DESCRIPTORS: informated storage and retrieval systems-home use; Associated Press-marketing; news agencies-marketing
IDENTIFIERS: videotext-marketing

0549989 DATABASE: TI File 148
Focus on finances with a home computer. (pharmacists use)
Berst, Jesse
Drug Topics v126 p116(3) Oct 4 1982
illustration; table
SIC CODE: 8049
CAPTIONS: What's available, for how much. (home computer packages)
DESCRIPTORS: computers-purchasing; microcomputers-purchasing; minicomputers-purchasing; pharmacists-finance; computer programs-purchasing; finance, personal-automation

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0547895 DATABASE: TI File 148
Heat pump seminars draw customers into showroom: 50% sales response. (Roy Inch & Sons, London, Ontario)
Air Conditioning, Heating & Refrigeration News v157 p7(1) Oct 11 1982
illustration; photograph; chart; graph
GEOGRAPHIC LOCATION: Ontario
GEOGRAPHIC CODE: NNCNEON SIC CODE: 1711
CAPTIONS: The cost difference between straight oil heating ($1,246) and that provided by an add-on heat pump ($431) is a persuasive sales tool.; This temperature distribution graph shows example of a home whose heating load will be picked up largely (67%) by the add-on heat pump.
NAMED PEOPLE: Inch, Tim-addresses, essays, lectures; Inch, Gearld-marketing; Sleeth, Don-computer programs
DESCRIPTORS: heat pumps-marketing; contractors-Ontario; Roy Inch and Sons Ltd.-seminars, workshops, etc.; microcomputers-educational use

0547834 DATABASE: TI File 148
Computerland drives at home market.
Marich, Bob
Advertising Age v53 p10(1) Oct 18 1982
SIC CODE: 5081
DESCRIPTORS: Computerland Corp.-marketing; computers-home use; microcomputers-marketing; minicomputers-marketing

0542062 DATABASE: NNI File 111
Shoppers' program set.
Dougherty, Philip H,.
New York Times v132 p45(N) pD21(L) Oct 14 1982
CODEN: NYTIA
col 4 002 col in.
EDITION: Thu
DESCRIPTORS: Christian Broadcasting Network-innovations; cable television-innovations; Metromedia-finance; Comp-U-Card of America-finance; television advertising-innovations

0539410 DATABASE: NNI File 111
Home computers generate special insurance coverage.
Christian Science Monitor v74 p11 Oct 28 1982
CODEN: CSMOBF
col 1 004 col in.
EDITION: Thu
DESCRIPTORS: insurance, homeowners-innovations; microcomputers-security measures

0536297 DATABASE: TI File 148
Interactive videotex systems and consumer information.
OECD Observer p34(4) July 1982
illustration; table
SIC CODE: 4899
CAPTIONS: Interactive videotex systems in 15 member countries.
DESCRIPTORS: subscription television-international aspects; Organization for Economic Cooperation and Development-surveys
IDENTIFIERS: videotext-international aspects

0536110 DATABASE: TI File 148
Video game entries excite CES crowd.
Leccese, Donna
Playthings v80 p43(2) Aug 1982
illustration; photograph
SIC CODE: 5945
DESCRIPTORS: International Summer Consumer Electronics Show-1982; video games-exhibitions; toys-exhibitions; electronic apparatus and appliances-exhibitions

0535889 DATABASE: TI File 148
Commodore, Atari responding to TI: computer rivals counter rebate.
Braden, Lisa
Retailing Home Furnishings v56 p1(3) Aug 23 1982
Atari and Commodore are both reacting to Texas Instruments' computer rebate program by offering deals of their own. Commodore is cutting the cost of its computers while Atari is [redacted]
SIC CODE: 3573
DESCRIPTORS: Commodore International Ltd.-marketing; Atari Inc.-marketing; computers-marketing; Texas Instruments Inc.-marketing; microcomputers-marketing

0534358 DATABASE: TI File 148
Retailers urge elimination of winter CES. (Consumer Electronics Show)
Golden, Pamela
Merchandising v7 p52(1) Aug 1982
illustration
SIC CODE: 5730; 8621
NAMED PEOPLE: Wayman, Jack-marketing
DESCRIPTORS: Consumer Electronics Show-analysis; electronic industries-exhibitions; stores, retail-marketing; Tech Hifi-marketing; Team Electronics-marketing; Sound Advice-marketing; Electronic Industries Association-marketing

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0534356   DATABASE: TI File 148
  MSI and seven retailers settle HBO suit, eighth will fight
case 'to the Supreme Court.' (Movie Systems Inc. vs retailers)
  Clepper, Irene
  Merchandising   v7   p44(1)   Aug   1982
  illustration; cartoon
  SIC CODE: 5732
  NAMED PEOPLE: Smoliock, Gary-cases
  DESCRIPTORS: Movie Systems Inc.-cases; Home Box Office
Inc.-cases; Minneapolis Audio Distributors-cases; stores,
retail-cases; cable television-cases; television broadcasting-
-cases


0534352   DATABASE: TI File 148
  Eighth Annual Electronics Statistics & Marketing Report.
  Rath, Lee; Silverman, William; Golden, Pamela
  Merchandising   v7   p17(8)   Aug   1982
  illustration; table; table; table; table; table; table;
table; table; table; table
  Consumer electronics products are dividing themselves into 2
areas: those that are strong enough to weather themselves
through the recession and those that too weak to survive these
poor economic times. Manufacturers are polled on their outlook
for the year. Videogames and home computers are the most
popular products with a good future. Consumer electronics
products are broken down and detailed statistics are provided.
  SIC CODE: 3651; 3652
  CAPTIONS: Color TV sales by type of outlet.; Projection TV
sales by type of outlet.; Videocassette recorder sales by type
of outlet.; Videodisc player sales by type of outlet.;
Electronics furniture sales by type of outlet.; Personal
computer sales by type of outlet.; Electronic game sales by
type of outlet.; Hifi component sales by type of outlet.;
Prerecorded videotape sales by type of outlet.; Bank premium
audiotape sales by type of outlet.
  DESCRIPTORS: Electronics Statistical and Marketing
Report-statistics; electronic apparatus and appliances-statis-
tics; stereophonic sound systems-statistics; television-stati-
stics; video tape recorders and recording-statistics; home
video systems-statistics; radio-statistics; color
television-statistics; minicomputers-statistics; telephone-st-
atistics; magnetic recorders and recording-statistics; video
games-statistics; calculating-machines-statistics; Merchandis-
ing (periodical)-surveys
  IDENTIFIERS: video discs and players-statistics


0533359   DATABASE: TI File 148
[redacted]
  A test by AP, 10 newspapers [redacted] future of
videotext has found that most consumers are not ready for the
service yet. Because the service depends on the presence of a
computer in the home, that limits the audience to those who
[redacted] However, some newspapers are going to
continue [redacted] seeing a long range benefit.
  SIC CODE: 2711
  DESCRIPTORS: newspaper publishing-technological innovations;
computers-home use; CompuServe-marketing; publishers and
publishing-technological innovations
  IDENTIFIERS: videotext-economic aspects


0532901   DATABASE: TI File 148
  Shopping for a micro-based system? Look for S-100-IEEE 696
standard for starters. (special report on minicomputers and
small business systems)
  Garetz, Mark
  Computerworld   v16   pSR5(2)   Aug 30   1982
  SIC CODE: 3573
  DESCRIPTORS: microcomputers-purchasing; minicomputers-purch-
asing; bus conductors (electricity)-standards; computer
interfaces-standards


0532473   DATABASE: TI File 148
  Microprocessor could save range-top energy.
  Reese, K.M.
  Chemical & Engineering News   v60   p60(1)   Aug 30   1982
  SIC CODE: 8221
  DESCRIPTORS: microcomputers-home use; household appliances,
electric-automatic control; stoves, electric-automatic control
; Arkansas, University of-research


0532334   DATABASE: TI File 148
  The great American computer flight plan contest. (includes
rules for entry) (column)
  Aarons, Richard N.
  Business & Commercial Aviation   v51   p192(1)   Sept   1982
  ARTICLE TYPE: column
  SIC CODE: 4521
  DESCRIPTORS: microcomputers-home use; flight-planning;
computer programs-innovations; private flying-computer
programs
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0532310 DATABASE: TI File 148
HBO's Michael Fuchs: alternative programmer.
Broadcasting v103 p79(1) Aug 23 1982
illustration; portrait
ARTICLE TYPE: biography
SIC CODE: 4899
NAMED PEOPLE: Fuchs, Michael J.-management
DESCRIPTORS: Home Box Office Inc.-management; cable television-management

0531838 DATABASE: TI File 148
Home-computer price drives go after videogame systems.
Raissman, Robert
Advertising Age v53 p6(2) Aug 23 1982
SIC CODE: 5081
DESCRIPTORS: microcomputers-marketing; minicomputers-marketing; video games-marketing

0530848 DATABASE: NNI File 111
[redacted] **test is successful.**
Wall Street Journal p10(W) p4(E) Sept 28 1982
CODEN: WSJOAF
col 1 018 col in.
EDITION: Tue
SIC CODE: 4800; 4833
DESCRIPTORS: CBS Inc.-planning; American Telephone and Telegraph Co.-planning; telecommunication-planning; data transmission systmes-planning; television industry-planning; cable television-planning; television broadcasting-technological innovations
IDENTIFIERS: videotext-planning

0528836 DATABASE: NNI File 111
Chemical Bank set to offer services via home computer: system initially will be usable only by customers owning equipment made by Atari.
Wall Street Journal p24(W) p16(E) Sept 9 1982
CODEN: WSJOAF
col 1 010 col in.
EDITION: Thu
SIC CODE: 600[illegible]
DESCRIPTORS: Chemical Bank-communication systems; microcomputers-home use; banks and banking-innovations

0526726 DATABASE: NNI File 111
Videotex in Jersey. (to test a videotex home system in Ridgewood, N.J.)
New York Times v132 p33(N) pD5(L) Sept 30 1982
CODEN: NYTIA
col 1 002 col in.
EDITION: Thu
SIC CODE: 4833; 4899
DESCRIPTORS: CBS Inc.-planning; American Telephone and Telegraph Co.-planning; television broadcasting-technological innovations; cable television-technological innovations; subscription television-technological innovations
IDENTIFIERS: videotext-testing

0525914 DATABASE: NNI File 111
And now, computerized bulletin boards. (home computer communication systems)
Kerr, Peter
New York Times v131 p19(N) pC1(L) Sept 16 1982
CODEN: NYTIA
col 1 024 col in.
EDITION: Thu
SIC CODE: 4800
DESCRIPTORS: microcomputers-usage; telecommunication-usage; Lance Micklus Inc.-computer programs; Source Telecomputing-services; CompuServe-services; information storage and retrieval systems-telecommunication
IDENTIFIERS: computer program industry-services

0525826 DATABASE: NNI File 111
The story behind HBO successes. (Home Box Office)
Schwartz, Tony
New York Times v131 p21(N) pC27(L) Sept 15 1982
CODEN: NYTIA
col 3 020 col in.
EDITION: Wed
SIC CODE: 4899
NAMED PEOPLE: Fuchs, Michael-interviews
DESCRIPTORS: Home Box Office Inc.-management; cable television-management; television broadcasting of films-marketing; subscription television-management

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0525467 DATABASE: NNI File 111
Chemical to offer banking at home.
Pollack, Andrew
New York Times v131 p29(N) pD1(L) Sept 9 1982
CODEN: NYTIA
col 3 017 col in.
EDITION: Thu
SIC CODE: 6000
NAMED PEOPLE: Farnsworth, John A.-interviews
DESCRIPTORS: Chemical Bank-services; banks and banking-services; microcomputers-usage; electronic funds transfers-home use

0523014 DATABASE: NNI File 111
Your bank may soon be as near as your home computer.
Kiefer, Francine
Christian Science Monitor v74 p11 Sept 15 1982
CODEN: CSMOBF
col 1 015 col in.
illustration; photograph
EDITION: Wed
SIC CODE: 6000
DESCRIPTORS: microcomputers-home use; Shawmut Bank-experiments; banks and banking-automation

0519349 DATABASE: TI File 148
TI's rebate. (Texas Instruments rebate on a home computer)
Retailing Home Furnishings v56 p66(1) Aug 16 1982
illustration; photograph
TI announced a $100 rebate on the microcomputer last week. This brings the price down to $199. Other manufacturers have not followed TI's path. Some retailers give their views on this offer.
SIC CODE: 3651
NAMED PEOPLE: Letterhouse, Terry-attitudes; Docherty, Warren-attitudes; Lazarus, Charles-attitudes
DESCRIPTORS: Texas Instruments Inc.-marketing; microcomputers-marketing; Texas Instruments 99-4A (computer)-marketing; rebates-usage; computer industry-marketing

0519288 DATABASE: TI File 148
IBM to take a space at Winter CES. (Consumer Electronics Show)
March, Susan
Retailing Home Furnishings v56 p1(2) Aug 9 1982
SIC CODE: 3573
DESCRIPTORS: International Business Machines Corp.-exhibitions; computers-exhibitions; Winter Consumer Electronics Show-1983; minicomputers-exhibitions; microcomputers-exhibitions

0519283 DATABASE: TI File 148
BSR (USA) to show full line of hi-fi components at CES.
Retailing Home Furnishings v55 p49(1) May 18 1981
illustration; photograph
SIC CODE: 5732
DESCRIPTORS: BSR Ltd.-marketing; Summer Consumer Electronics Show-1981; high-fidelity sound systems-exhibitions; stereophonic sound systems-exhibitions

0519031 DATABASE: TI File 148
Marketing computers for mass appeal.
Stinson, Douglas W.
Chain Store Age Supermarkets v58 pB2(12) Aug 1982
illustration; photograph; graph
SIC CODE: 5000
CAPTIONS: (Comparison of television sales, 1947-1950, and home computer sales)
DESCRIPTORS: micnocomputers-marketing; computers-marketing; retail trade-marketing; stores, retail-marketing; department stores-management; Tandy Corp. Radio Shack-marketing

0518566 DATABASE: TI File 148
Rep. Wirth abandons push for rewrite bill.
Block, Victor
Telephony v203 p12(2) Aug 2 1982
Wirth concedes first battle under heavy lobbying by AT&T, but confirms his commitment to deregulation. Other opponents voice their opinion on AT&T's lobbying efforts and declare consumer is the loser.
SIC CODE: 4811
NAMED PEOPLE: Wirth, Timothy-political activity
DESCRIPTORS: telecommunication policy-law and legislation; American Telephone and Telegraph Co.-political activity
IDENTIFIERS: deregulation-telecommunication

0518556 DATABASE: TI File 148
Knight-Ridder, Abdell eye home info system.
Telephony v203 p11(2) Aug 16 1982
SIC CODE: 4899
DESCRIPTORS: Knight-Ridder Newspapers Inc.-planning; A.S. Abdell Publishing Co.-services; Viewtron (data transmission system)-planning
IDENTIFIERS: videotext-planning

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0517224   DATABASE: TI File 148
  Staff, stock and promotions sell earth stations.
  DeSiena, Bill
  Merchandising   v7   p58(2)   July   1982
  illustration; photograph
  SIC CODE: 5730
  DESCRIPTORS: earth stations (satellite telecommunication)-h-
ome use; stores, retail-marketing


0517222   DATABASE: TI File 148
  Explosive home computer growth propels vendors to add tables
starting under $100.
  DeSiena, Bill
  Merchandising   v7   p44(1)   July   1982
  SIC CODE: 2500
  DESCRIPTORS:   furniture   industry   and   trade-marketing;
computers-equipment and supplies;  minicomputers-equipment and
supplies;   microcomputers-equipment   and   supplies;   Gusdorf
Corp.-marketing


0517221   DATABASE: TI File 148
  Hardware systems, new software suppliers crowd the market as
games highlight CES. (Consumer Electronics Show)
  Silverman, William
  Merchandising   v7   p43(1)   July   1982
  illustration; photograph
  SIC CODE: 3573
  DESCRIPTORS:   Consumer   Electronics   Show-1982;   electronic
apparatus and appliances-exhibitions;   computers-exhibitions;
computer programs-exhibitions; video games-exhibitions


[redacted] TI File 148
  Home computer must [redacted]
  [redacted]
  illustration; photograph
  SIC CODE: 3573
  NAMED PEOPLE: Turner, Bill-marketing
  DESCRIPTORS: minicomputers-marketing; microcomputers-market-
ing;   computers-home   use;   Texas Instruments Inc.-marketing;
electronic industries-marketing; computer programs-marketing


0515724   DATABASE: TI File 148
  TI offers rebate on home CPU console.
  Halper, Mark
  Electronic News   v28   p35(1)   Aug 9   1982
  SIC CODE: 3573; 5081
  DESCRIPTORS: Texas Instruments Inc.-marketing; computers-ma-
rketing; microcomputers-marketing;  Texas Instruments TI 99-4A
(computer)-marketing


0515582 [redacted]
  SIC CODE: 4899; 2711
  DESCRIPTORS:  information storage and retrieval systems-home
use; Communications Studies and Planning International-reports
; newspaper publishing-forecasts
  IDENTIFIERS: videotext-forecasts


0514324   DATABASE: TI File 148
  Home computers shake up CE area.
  Chain   Store   Age   -   General   Merchandising   Edition   v58
p81(2)   Aug   1982
  illustration; photograph; table
  SIC CODE: 5300
  CAPTIONS: Prices vary but undercut suggested.
  DESCRIPTORS: microcomputers-marketing;   computers-marketing;
retail   trade-management;   chain stores-management;   Marshall
Field and Co.-management


0513882   DATABASE: TI File 148
  Home games:  scramble on to license arcade hits for personal
computer boom.
  Heyman, Hope
  Billboard   v94   pHT4(2)   Aug 14   1982
  SIC CODE: 5945; 3573
  DESCRIPTORS: microcomputers-home use; computer industry-mar-
ket share; video games-market share


0513863   DATABASE: TI File 148
  [redacted]   cable   TV   can't predict home video
profitability, says study.
  Kopp, George
  Billboard   v93   p9(2)   March 14   1981
  SIC CODE: 7392
  DESCRIPTORS:   cable   television-forecasts;   subscription
television-forecasts;   Gol[redacted]   video   tape
recorders and recording-forecasts
  IDENTIFIERS: video discs and players-forecasts
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0513839 DATABASE: TI File 148
Deep-grove $40 LP due at the CES.
Penchansky, Alan
Billboard v93 p3(3) May 30 1981
SIC CODE: 3652
DESCRIPTORS: phonorecords-technological innovations; Ultra High Quality Record-technological innovations; Consumer Electronics Show-1981
IDENTIFIERS: digital recording-technological innovations

0510979 DATABASE: NNI File 111
Home computer price is reduced by Commodore.
Wall Street Journal p7(W) Aug 17 1982
CODEN: WSJOAF
col 1 010 col in.
EDITION: Tue
SIC CODE: 3573
DESCRIPTORS: Commodore International Inc.-marketing; Atari Inc.-marketing; VIC-20 (computer)-prices; microcomputers-prices; computer industry-marketing; Atari 400 (computer)-prices; computer programs-marketing

0510701 DATABASE: NNI File 111
Pay-TV firms rush to get movie rights following studios' plan to invest in cable.
Wall Street Journal p6(W) p7(E) Aug 13 1982
CODEN: WSJOAF
col 2 012 col in.
EDITION: Fri
SIC CODE: 7813; 4899
DESCRIPTORS: Warner Amex Satellite Entertainment Co.-contracts and specifications; Home Box Office Inc.-contracts and specifications; MGM-UA Entertainment Co.-contracts and specifications; Showtime Entertainment Co.-contracts and specifications; Twentieth Century-Fox Film Co.-contracts and specifications; moving-picture industry-contracts and specifications; cable television-contracts and specifications; Movie Channel-securities; Paramount Pictures Corp.-investment activities; Universal Studios Inc.-investment activities; subscription television-contracts and specifications; cable television-contracts and specifications

0510607 DATABASE: NNI File 111
"Ferocious" rivalry develops in pay services for cable TV.
Landro, Laura
Wall Street Journal Section 2 p21(W) p21(E) Aug 12 1982
CODEN: WSJOAF
col 1 013 col in.
EDITION: Thu
DESCRIPTORS: Home Box Office-marketing; Show Time-marketing;

Express Co.-innovations; cable television-marketing; Entertainment Channel-marketing; Cablevision Systems Development Corp.-innovations

0509902 DATABASE: NNI File 111
Videogame stocks' play braked by price cut on home computer but analysts still bullish.
Anders, George
Wall Street Journal Section 2 p37(W) p37(E) Aug 5 1982
CODEN: WSJOAF
col 3 017 col in.
EDITION: Thu
DESCRIPTORS: video games-industries; Warner Communications Inc.-securities; Texas Instruments Inc.-securities; microcomputers-prices

0509452 DATABASE: NNI File 111
Texas Instruments to offer $100 rebate on home computer, undercutting rivals.
Burrough, Bryan
Wall Street Journal p5(W) Aug 3 1982
CODEN: WSJOAF
col 1 012 col in.
EDITION: Tue
DESCRIPTORS: Texas Instruments Inc.-marketing; microcomputers-marketing

0506649 DATABASE: NNI File 111
Recession hiting home at Los Angeles Times.
Friendly, Jonathan
New York Times v131 Section 1 p18(N) p29(L) Aug 15 1982
CODEN: NYTIA
col 5 018 col in.
EDITION: Sun
GEOGRAPHIC LOCATION: Los Angeles
GEOGRAPHIC CODE: NNUSWCAL SIC CODE: 4800
DESCRIPTORS: Los Angeles Times (newspaper)-finance; newspapers-finance; reporters and reporting-salaries, etc.; telecommunication-forecasts; American Telephone and Telegraph Co.-cases

0503330 DATABASE: NNI File 111
Detroit tools up for long-haul sales race with Japan. (automobiles)
Cook, David T.
Christian Science Monitor v74 p11 Aug 11 1982
CODEN: CSMOBF
col 1 026 col in.
illustration; photograph; chart
EDITION: Wed
GEOGRAPHIC LOCATION: Japan; United States
GEOGRAPHIC CODE: AEJA; NNUS SIC CODE: 3711
CAPTIONS: Japanese imports by age group.
NAMED PEOPLE: Collier, David-marketing; Keller, Maryann-forecasts; Brand, Milton I.-research; Bakken, James-forecasts
DESCRIPTORS: automobile industry and trade-international aspects; United States-industries; Japan-industries; microcomputers-home use; competition, international-automobile industry

0503158 DATABASE: TI File 148
House bill calls for panel to study capital markets.
McCormick, Linda W.
American Banker v147 p2(1) Aug 24 1982
SIC CODE: 6000; 9311; 9611
NAMED PEOPLE: Wirth, Timothy E.-economic policy
DESCRIPTORS: United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection, and Finance-economic policy; legislators-economic policy; bonds-investigations; money market-investigations; capital-investigations; banks and banking-rules and regulations; Glass-Steagall Act-investigations; financial institutions-rules and regulations

0502579 DATABASE: TI File 148
Competitive stance on in-home banking is crucial now: timetable for implementing home banking services is progressing faster than many think.
Russell, John A.
American Banker v146 p29(3) March 6 1981
SIC CODE: 6020
DESCRIPTORS: banks and banking-home use; financial institutions-technological innovations
IDENTIFIERS: videotext-home use

0502505 DATABASE: TI File 148
Cable firm plans home banking system in Omaha, New Orleans: five financial institutions take part in San Diego experiment.
Kutler, Jeffrey
American Banker v146 p1(2) March 2 1981
Cox Cable Communications Inc. is experimenting in San Diego with banking and shopping at home by using a cable television network called INDAX, the Interactive Data Exchange. Bankers are very interested in the experiment because of the wide subscription rate of the cable TV network and because of their own investments in home services through television technology.
SIC CODE: 4899; 6020
DESCRIPTORS: Cox Cable Communications Inc.-services; banks and banking-home use; community antenna television-technological innovations; shopping-technological innovations

0500891 DATABASE: MI File 47
Buffo show turnout buoys home electronics biz beset by 'Betamax' woes, recession.
Segers, Frank
Variety v307 p1(2) June 2 1982
CODEN: VARIB
SIC CODE: 7814; 3670
DESCRIPTORS: Consumer Electronics Show-1982; video tape recorders and recording-exhibitions; electronic industries-exhibitions

0499175 DATABASE: TI File 148
Webs sweat this summer: cable casts cool covey.
Lipkin, Rebecca
Backstage v23 p1(4) July 16 1982
Competition from cable television is forcing the regular television networks to try harder in providing quality programs for their consumers during the summer months
SIC CODE: 4833; 7814
DESCRIPTORS: television industry-forecasts; subscription television-forecasts

0498245 DATABASE: TI File 148
Makers mull move to one CES.
March, Susan; Brumbacl, Nancy
Retailing Home Furnishings v56 p51(1) July 5 1982
SIC CODE: 3634; 5732
DESCRIPTORS: electronicstry; industry-exhibitions; Consumer Electronics Show-1982; electric apparatus and appliances-marketing; stores, retail-marketing

0498202 DATABASE: TI File 148
Electronic shop-at-home systems get wider role in vidoetext field.
St. Marie, David
Retailing Home Furnishings v56 p4(1) July 5 1982
illustration; photograph
SIC CODE: 3651
DESCRIPTORS: videotext-home use; subscription television-marketing; television-technological innovations; Videotex Conference-1982; shopping-technological innovations

0498105 DATABASE: TI File 148
Car sound panel optimistic despite economic outlook: see sound system components sales gaining 10%-15%; project possible future growth for AM stereo; but voice concern over installation problems with noise and interfacing of systems. (Consumer Electronics Show)
Home & Auto v91 p14(2) July 1 1982
illustration; photograph; portrait
SIC CODE: 3651; 5064; 7399; 9914
NAMED PEOPLE: Berger, Ivan-seminars, workshops, etc.
DESCRIPTORS: automobiles-electronic equipment; Consumer Electronics Show-1982; sound-apparatus

0498104 DATABASE: TI File 148
Caution dulls summer CES: only video games and adult movies generate crowd enthusiasm at McCormick Place in early June. (automotive-aftermarket buyers find slim pickings)
Home & Auto v91 p14(1) July 1 1982
illustration; photograph
SIC CODE: 5064; 7399
DESCRIPTORS: Consumer Electronics Show-1982; automobiles-electronic equipment; sound-apparatus; video games-exhibitions

0497837 DATABASE: TI File 148
Home banking will be included in CBS-AT&T Venture One videotext experiment in fall in Ridgewood, N.J.
Television Digest v22 p7(1) July 12 1982
SIC CODE: 4811; 4899
DESCRIPTORS: Venture One (data transmission system)-services ; data transmission systems-testing
IDENTIFIERS: videotext-testing

0497064 DATABASE: TI File 148
Home banking opens this summer: Omaha turns on with two-way cable TV.
Savings & Loan News v103 p68(2) July 1982
illustration; chart
SIC CODE: 6020
DESCRIPTORS: banks and banking-home use

0495778 DATABASE: TI File 148
Matched, racked components should attract new customers to audio, say manufacturers.
Rath, Lee
Merchandising v6 p59(1) July 1981
illustration; photograph
SIC CODE: 3650
NAMED PEOPLE: Wiggens, Michael-management
DESCRIPTORS: stereophonic sound systems-marketing; Consumer Electronics Show-1981; high-fidelity sound systems-marketing; Akai America Ltd.-marketing

0495771 DATABASE: TI File 148
Suppliers and retailers get ready to break Ma Bell's bubble.
Silverman, William
Merchandising v6 p55(1) July 1981
illustration; photograph
SIC CODE: 3661
NAMED PEOPLE: Reichenstein, Larry-attitudes
DESCRIPTORS: American Telephone and Telegraph Co.-marketing; Consumer Electronics Show-1981; telephone-marketing; electronic apparatus and appliances-marketing; Cobra Communications-marketing

0495770 DATABASE: TI File 148
Retailers give blister card cool reception; solar calcs and musical LCD's make inroads.
Silverman, William
Merchandising v6 p54(2) July 1981
illustration; photograph
SIC CODE: 5700
DESCRIPTORS: Consumer Electronics Show-1981; calculating-machines-marketing; programmable calculators-marketing; electronic apparatus and appliances-marketing

[redacted]
information [redacted].
Broadcasting [redacted]
illustration; photograph

Electronic publishing is a burgeoning field, estimated to be a $5-$10 billion business by 1990. Its growth is restricted presently by uncertain regulatory situation and lack of equipment standardization. Rival systems also offer different capabilities. Teletext will probably develop sooner than videotext and advertising is the key to support revenue. Many tests are now under way to determine market for the new technologies.

SIC CODE: 4899
DESCRIPTORS: data transmission systems-testing; teletext (data transmission system)-forecasts; information storage and retrieval systems-home use
IDENTIFIERS: videotext-forecasts

0491991 DATABASE: TI File 148
Lawyers hear taping debate: panelists argue pros and cons of proposed royalty.
Foti, Laura
Billboard v94 p4(2) July 3 1982
SIC CODE: 3651
NAMED PEOPLE: Gomberg, Ira-addresses, essays, lectures
DESCRIPTORS: Consumer Electronic Show-1982; copyright-video tapes; video tape recorders and recording-home use

0490899 DATABASE: NNI File 111
Selling home computers door-to-door.
Burrough, Bryan
Wall Street Journal Section 2 p23(W) p21(E) July 29 1982
CODEN: WSJOAF
col 1 007 col in.
EDITION: Thu
DESCRIPTORS: Tronics Marketing Corp.-marketing; computers-marketing; microcomputers-marketing

0489557 DATABASE: NNI File 111
Scientific-Atlanta Inc. (contract)
Wall Street Journal Section 2 p23(W) p6(E) July 16 1982
CODEN: WSJOAF
col 4 001 col in.
EDITION: Fri
SIC CODE: 4800; 4899
DESCRIPTORS: Scientific-Atlanta Inc.-contracts and specifications; Home Box Office Inc.-contracts and specifications; telecommunication-contracts and specifications ; artificial satellites in telecommunication-contracts and specifications

0482585 DATABASE: TI File 148
New Jersey shared ATM network will offer home banking service through videotex test.
American Banker v147 p8(2) July 14 1982
GEOGRAPHIC LOCATION: New Jersey
GEOGRAPHIC CODE: NNUSLNJ SIC CODE: 6020
DESCRIPTORS: automated tellers-New Jersey; Treasurer Inc.-planning; banks and banking-automation; New Jersey-industries

0456270 DATABASE: TI File 148
Video catalog shopping. (editorial)
Allegrezza, Ray
Housewares v186 p4(1) May 7 1982
ARTICLE TYPE: editorial
SIC CODE: 4833; 5712
DESCRIPTORS: Video Shopper-marketing; American National Cable Communications Inc.-technological innovations; subscription television-technological innovations; community antenna television-technological innovations; television broadcasting-technological innovations; catalogs, commercial--television use; shopping-automation; retail trade-automation
IDENTIFIERS: videotext-home use

0455511 DATABASE: TI File 148
A personal computer in your future?
Andrews, William C.
Journal of Systems Management v33 p21(4) April 1982
SIC CODE: 3573
DESCRIPTORS: microcomputers-growth and development; computers-home use

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0453864 DATABASE: TI File 148
CES buyers crowd to inspect computer and software intros. (Consumer Electonics Show)
Siverman, William
Merchandising v7 p32(2) Feb 1982
illustration; photograph
SIC CODE: 3651; 3652
DESCRIPTORS: minicomputers-marketing; Consumer Electronics Show-1982; Commodore Corp.-manufactures; Atari Inc.-manufactures; Texas Instruments Inc.-manufactures; Matsushita Electronics Corporation of America-manufactures; computer programs-marketing

0448729 DATABASE: NNI File 111
IBM home computer gear prices lowered.
Wall Street Journal v106 Section 2 p47(W) May 18 1982
CODEN: WSJOAF
col 2 001 col in.
EDITION: Tue
DESCRIPTORS: International Business Machines Corp.-prices; IBM Personal Computer-prices; minicomputers-prices

0444086 DATABASE: NNI File 111
Telephone and Data Systems Inc. (business brief - acquisition of Home CATV Co. and Sevierville Cable Communications Co.)
New York Times v131 p33(N) pD5(L) May 13 1982
CODEN: NYTIA
col 6 001 col in.
EDITION: Thu
SIC CODE: 4800; 4899
DESCRIPTORS: Telephone and Data Systems Inc.-mergers and consolidations; Home CATV Co.-mergers and consolidations; Sevierville Cable Communications Co.-mergers and consolidations; telecommunication-mergers and consolidations; subscription television-mergers and consolidations

0395178 DATABASE: TI File 148
HBO prepping for Nielsens.
Backstage v23 p1(2) Jan 29 1982
SIC CODE: 7311; 7814
DESCRIPTORS: Home Box Office-advertising; community antenna television-advertising; subscription television-advertising; Cable Television Advertising Bureau-management

0394183 DATABASE: TI File 148
Consumer electronics. (1982 technology forecast)
Bursky, David
Electronic Design v30 p129(23) Jan 7 1982
illustration; photograph; graph; graph
SIC CODE: 3600; 3728
CAPTIONS: (Major trends in line widths and level of integration for digital technology.); (Reduction of components and adjustments in videotape units; weight and power consumption in portable machines.)
DESCRIPTORS: commercial products-technological innovations; microcomputers-home use; stereophonic sound systems-technological innovations; video tape recorders and recording-technological innovations; automobiles-electronic equipment; integrated circuits-technological innovations; household appliances, electric-electronic equipment; radio-receivers and reception; electronics-home use; microprocessors-technological innovations; information display systems-technological innovations; digital electronics-technological innovations; magnetic tape recorders and recording-technological innovations; television cameras-technological innovations; signal processing-technological innovations; television-technological innovations; internal combustion engines-electronic equipment

0392914 DATABASE: TI File 148
Simplified NC programming: a case history. (numerical control) (evaluation)
Hall, Philip M.
Tooling & Production v48 p72(2) April 1982
illustration; photograph; chart; chart; chart; chart
ARTICLE TYPE: evaluation
SIC CODE: 3069; 3823
CAPTIONS: (Customer drawing as it may come into shop for manufacture.); (Lines, points, angles & circles defined graphically for programmer.); (Typical program for portion of drawing shown.); (Plotter as roughing cut would look; finishing cut using smaller end mill.)
PRODUCT NAME(S): Numeridex LC6000 (computer apparatus)
DESCRIPTORS: molding (founding)-technological innovations; microcomputers-industrial applications; design, industrial-automation
IDENTIFIERS: computer-aided design-equipment and supplies

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0392519   DATABASE: TI File 148
  Rigid discs: the new small systems alternative.
  Porter, James N.
  Mini-Micro Systems   v15   p145(8)   Feb   1982
  illustration; chart; chart; chart; photograph; chart; table;
table
  SIC CODE: 3573
  CAPTIONS:  Consolidated  worldwide  disk-drive  shipments.;
Worldwide unit shipments of 8-in. fixed-disc drives (less than
30M bytes).;  Worldwide unit shipments of 5.25-in.  fixed-disk
drives (less than 30M bytes).; Fixed-disk drive market shares.
;  OEM rigid-disk drives.;  Rigid disk-drive manufacturers (by
location of home office).
  DESCRIPTORS:   computer  input-output   equipment-marketing;
microcomputers-equipment and supplies
  IDENTIFIERS: data disc drives-marketing


0392489   DATABASE: TI File 148
  CES digital audiodisc intros create interest, controversy.
  Rath, Lee
  Merchandising   v7   p22(2)   Feb   1982
  illustration; photograph
  SIC CODE: 3651
  DESCRIPTORS:  sound-recording and reproducing;  stereophonic
sound systems-exhibitions; Consumer Electronics Show-1982
  IDENTIFIERS: digital recording-equipment and supplies


0392486   DATABASE: TI File 148
  Price cutting and lack of programming plague videodisc,  say
retailers, suppliers.
  Golden, Pamela
  Merchandising   v7   p14(1)   Feb   1982
  SIC CODE: 3651; 3652
  DESCRIPTORS: stores, retail-marketing;  Consumer Electronics
Show-1982; video tape recorders and recording-marketing
  IDENTIFIERS: video discs and players-marketing


0389365   DATABASE: TI File 148
  Discs  come  home.  (using microcomputers and video discs in
tandem at home)
  Browning, Frederick Rashad Ali
  Audio Visual Communications   v16   p38(3)   Jan   1982
  illustration; photograph
  DESCRIPTORS:   home   video   systems-educational    use;
microcomputers-educational use
  IDENTIFIERS: video discs and players-educational use


0388255   DATABASE: NNI File 111
  Growing  home-information  field  led  by  Telecomputing's
'Source' for news. (The Source, new info retrieval system)
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  Wysocki, Bernard, Jr.
  Wall Street Journal   v102   p8(W) p8(E)   Jan 30   1980
  CODEN: WSJOAF
  col 1   024 col in.
  EDITION: Wed
  GEOGRAPHIC LOCATION: McLean, Va.
  SIC CODE: 4899
  NAMED  PEOPLE:    Taub,    Jack   R.-management;    Steiger,
Bettie-management
  DESCRIPTORS: Telecomputing Corporation of America-organizat-
ion  and  management;  information  storage  and  retrieval
systems-management;     computers-innovations;     Compuserve
Inc.-management; subscription television-innovations
  IDENTIFIERS: Minicomputers-information systems; videotext-h-
ome use


0382013   DATABASE: NNI File 111
  The  new video technologies:  system will permit shopping at
home.
  Pace, Eric
  New York Times   v131   p29(N) pD1(LC)   April 14   1982
  CODEN: NYTIA
  col 3   030 col in.
  illustration; table
  EDITION: Wed
  CAPTIONS: The leaders in videotex services.
  DESCRIPTORS:   television-technological  innovations;   data
transmission  systems-home  use;  microcomputers-home  use;
information storage and retrieval systems-home use;  Dow Jones
News  Retrieval-services;   American  Telephone  and Telegraph
Co.-services; CBS Inc.-services; National Broadcasting Company
Inc.-services
  IDENTIFIERS: videotext-usage


0378192   DATABASE: MI File 47
  TV dancing in electronics wonderland:  winter ces show packs
Las Vegas.
  Gelman, Morrie
  Variety   v305   p61(2)   Jan 20   1982
  CODEN: VARIB
  SIC CODE: 7814
  DESCRIPTORS:   Winter   Consumer   Electronics   Show-1982;
television industry-marketing; community antenna television-m-
arketing; subscription television-marketing
  IDENTIFIERS: video discs and players-marketing
```

0378144 DATABASE: MI File 47
Not one, but two homevid assn. now vie for attention, seek links.
Segers, Frank
Variety v305 p49(2) Jan 27 1982
CODEN: VARIB
SIC CODE: 3652
NAMED PEOPLE: Gimbel, Noel-management
DESCRIPTORS: Las Vegas Consumer Electronics Show-1982; Video Softwear Dealers Association-management; National Association of Record Merchandisers-management
IDENTIFIERS: video discs and players-marketing

0377830 DATABASE: MI File 47
Electronics show gives Las Vegas economic boost.
Variety v305 p1(2) Jan 20 1982
CODEN: VARIB
SIC CODE: 7999
NAMED PEOPLE: Jones, Ralph-quotations
DESCRIPTORS: Consumer Electronics Show-1982; Las Vegas, Nevada-industries; gambling-Nevada

0374711 DATABASE: TI File 148
CES hot electronics muffles car sound: winter CES attendance increased 13% as more than 900 exhibitors occupied 532,000 sq. ft. of the convention center, the Hilton and the Jockey Club. (Consumer Electronics Show)
Home & Auto v90 p28(1) Feb 15 1982
illustration; photograph
SIC CODE: 3573; 3651; 7399
DESCRIPTORS: International Consumer Electronics Show-1982; minicomputers-exhibitions; video games-exhibitions; automobiles-radio equipment

0374461 DATABASE: TI File 148
HBO to scramble.
Television Digest v22 p5(1) Feb 22 1982
SIC CODE: 4899
DESCRIPTORS: Home Box Office Inc.-security measures; artificial satellites in telecommunication-security measures; subscription television-security measures

0374437 DATABASE: TI File 148
1981 - the year for video.
Television Digest v21 p6(4) Jan 5 1981
illustration; table
Estimated sales will be $1.2 billion for video industry. Color TV sales will continue with slow price increases. VCR sales will increase, prices will come down, but not below $500. Videodiscs sales will increase also with CED format dominating. Sale of recorded cassettes could reach 5 million. Sale of personal computers still a year away, but video games and projection TV will have upward trend
SIC CODE: 3651
CAPTIONS: Estimate of 1981 sales against 1980 and 1979 for TV, color and b and w, VCR and videodisc players.
DESCRIPTORS: electronic industries-forecasts; video tape recorders and recording-forecasts; video games-forecasts; home video systems; forecasts.
IDENTIFIERS: video discs and players-forecasts

0371010 DATABASE: TI File 148
Refinements are key to '82 electronics.
Chain Store Age - General Merchandising Edition v58 p89(2) Feb 1982
illustration; photograph
SIC CODE: 5000
DESCRIPTORS: Consumer Electronic Show-1982; electronic toys-marketing; video games-marketing; department stores-marketing; Atari Corp.-marketing; Mattel Electronics-marketing; microcomputers-marketing; minicomputers-marketing; video tape recorders and recording-marketing

0371009 DATABASE: TI File 148
Lionel computers for home 'leisure.'
Chain Store Age - General Merchandising Edition v58 p83(2) Feb 1982
SIC CODE: 5945
DESCRIPTORS: Lionel Corp.-marketing; minicomputers-marketing ; microcomputers-marketing; Toys R Us-marketing

0370289 DATABASE: TI File 148
Videogame ads to explode: steals consumer electronics show.
Marich, Bob
Advertising Age v53 p3(2) Jan 11 1982
SIC CODE: 3651
DESCRIPTORS: video games-marketing; advertising-video games; Atari-advertising; Doyle Dane Bernbach-contracts and specifications; Astrovision Inc.-advertising; Intellivision-advertising

0370284 DATABASE: TI File 148
Where's AT & T headed? Home communications seen big growth area.
Raissman, Robert
Advertising Age v53 p2(2) Jan 18 1982
SIC CODE: 4810
DESCRIPTORS: American Telephone and Telegraph Co.-planning; telecommunication-planning

0369892 DATABASE: TI File 148
Knight-Ridder, bank to launch home service. (electronic banking)
Journal of Commerce v351 p5A(1) Feb 24 1982
SIC CODE: 6000; 3662
DESCRIPTORS: Knight-Ridder Newspapers Inc.-services; Southeast Bank N.A.-services; banks and banking-technological innovations; teletext (data transmission system)-innovations

0368564 DATABASE: NNI File 111
Satellite invasion; European states face problem of controlling their neighbors' TV; space-to-home signals pose conflicts on commercials and wars over ad rates; eyeball-to-eyeball interface.
Newman, Barry
Wall Street Journal v106 p1(W) p1(E) March 22 1982
CODEN: WSJOAF
col 1 042 col in.
EDITION: Mon
GEOGRAPHIC LOCATION: Europe
GEOGRAPHIC CODE: E SIC CODE: 4833; 4899
DESCRIPTORS: Europe-communication systems; television broadcasting-Europe; artificial satellites in telecommunication-Europe; earth stations (satellite telecommunication)-Europe ; Council of Europe-reports

0357547 DATABASE: TI File 148
Promos, not products, key at CES. (Consumer Electronic Show)
Retailing Home Furnishings v56 p31(2) Jan 25 1982
illustration; photograph
SIC CODE: 3651
NAMED PEOPLE: Bisceglia, Frank-attitudes
DESCRIPTORS: electronic industries-exhibitions; retail trade-marketing; stores, retail-marketing; Consumer Electronics Show-1982

0357516 DATABASE: TI File 148
Will old TV pitchman be born again? (teleshopping)
Hutchinson, Harry; St. Marie, David; Gilbert, Les
Retailing Home Furnishings v56 p7(1) Jan 25 1982
illustration; photograph
SIC CODE: 3651; 3573
NAMED PEOPLE: Pahmer, John-marketing
DESCRIPTORS: shopping-automation; television broadcasting-usage; data transmission systems-home use; retail trade-automation; stores, retail-automation; Teletel (data transmission system)-usage; National Retail Merchants Association-conferences and congresses; house furnishings industry and trade-conferences and congresses
IDENTIFIERS: videotext-home use

0357300 DATABASE: TI File 148
AAR winter convention zeroes in on productivity crisis: Hillhouse uses Japanese advances over U.S. productivity to drive home points. (productivity must be boosted through greater use of technology)
Home & Auto v90 p19(2) Jan 1 1982
illustration; photograph; portrait
GEOGRAPHIC LOCATION: Japan
GEOGRAPHIC CODE: AEJA SIC CODE: 5013; 9914
NAMED PEOPLE: Hillhouse, Andrew-commercial policy
DESCRIPTORS: Automotive Affiliated Representatives-conferences and congresses; Japan-industries; industrial productivity-international aspects; technological innovations--industrial applications; telecommunication systems-industrial applications; computers-industrial applications; automatic typewriters-industrial applications; word processing (office practice)-industrial applications; automobile supplies industry-conferences and congresses

0357065 DATABASE: TI File 148
Video's future. (prospects as seen by exhibitors at Consumer Electronics Show)
Television Digest v21 p11(1) Jan 19 1982
SIC CODE: 3651
DESCRIPTORS: television industry-forecasts; video tape recorders and recording-forecasts

0357056 DATABASE: TI File 148
New VCRs at CES. (Consumer Electronics Show)
Television Digest v21 p10(1) Jan 19 1982
SIC CODE: 3651
DESCRIPTORS: video tape recorders and recording-technological innovations; electronic industries-exhibitions

100

0356962 DATABASE: TI File 148
CES seminars.
Television Digest v21 p13(1) May 18 1981
SIC CODE: 3651
DESCRIPTORS: electronic industries-exhibitions; Consumer Electronics Show-1981

0356913 DATABASE: TI File 148
Video excitement dominates CES. (Consumer Electronics Show)
Television Digest v21 p7(2) Jan 12 1981
SIC CODE: 3651
DESCRIPTORS: electronics industries-exhibitions
IDENTIFIERS: video discs and players-exhibitions

0353471 DATABASE: TI File 148
Rep. Wirth urges 'consumer first' attitude.
Hoard, Bruce
Computerworld v15 p19(1) April 13 1981
SIC CODE: 9121
NAMED PEOPLE: Wirth, Timothy-addresses, essays, lectures
DESCRIPTORS: telecommunication policy-analysis; legislators-addresses, essays, lectures

0352635 DATABASE: TI File 148
United Cable buys into Buford's HEN.
Broadcasting v102 p34(1) Jan 11 1982
SIC CODE: 4899
DESCRIPTORS: Home Entertainment Network Inc.-mergers and consolidations; United Cable Television Corp.-mergers and consolidations; subscription television-mergers and consolidations

0348941 DATABASE: NNI File 111
FCC isn't equipped to protect consumers under AT & T plan, GAO tells Congress.
Warner, Margaret Garrard
Wall Street Journal v106 p12(N) p2(E) Feb 2 1982
CODEN: WSJOAF
col 3 014 col in.
EDITION: Tue
SIC CODE: 9631; 9199; 4800; 9121
DESCRIPTORS: United States. Federal Communications Commission-management; American Telephone and Telegraph Co.-finance; United States. General Accounting Office-reports; telecommunication-finance; independent regulatory commissions-management; United States. Congress-investigations

203

0347422 DATABASE: TI File 148

TV shopping network tunes in sales on debut.
Sharp, Christopher
Womens Wear Daily v142 p17(1) April 6 1981
SIC CODE: 4833
NAMED PEOPLE: Forbes, Walter A.-management
DESCRIPTORS: subscription television-innovations; Comp-U-Card of America Inc.-innovations; shopping-technological innovations
IDENTIFIERS: videotext-innovations

0339508 DATABASE: TI File 148
Electronics mood buoyant at CES. (Consumer Electronics Show)
Retailing Home Furnishings v56 p1(3) Jan 11 1982
illustration; photograph
SIC CODE: 3651
DESCRIPTORS: Consumer Electronics Show-1982; electronic industries-exhibitions; video tape recorders and recording-exhibitions; stereophonic sound systems-exhibitions

0339503 DATABASE: TI File 148
'Here and now' sales needs emphasized in new products. (Consumer Electronics Show)
Retailing Home Furnishings v56 pA1(2) Jan 4 1982
illustration; photograph
SIC CODE: 5200
DESCRIPTORS: Consumer Electronics Show-1982; house furnishings industry and trade-exhibitions; electronic apparatus and appliances-exhibitions; retail trade-forecasts; stores, retail-forecasts

0339498 DATABASE: TI File 148
Electronics 82. (Consumer Electronics Show)
Greenberg, Manning
Retailing Home Furnishings v56 pA12(20) Jan 4 1982
illustration; photograph
The Consumer Electronics Show for 1982 will be held at Las Vegas. Buying at the show will probably be done cautiously and selectively since retailers sales were not that good during the month of December. A preview of some manufacturers products are presented.
SIC CODE: 3651
DESCRIPTORS: Consumer Electronics Show-1982; electronic apparatus and appliances-exhibitions; video cassette recorders and recording-exhibitions; television industry-exhibitions; high-fidelity sound systems-exhibitions; stereophonic sound systems-exhibitions; magnetic recorders and recording-exhibitions; telephone-exhibitions

204

101

0339309 DATABASE: TI File 148
Project record CES attendance. (at 1982 Winter Consumer Electronics Show in Las Vegas)
Home & Auto v90 p22(1) Dec 15 1981
illustration; photograph; chart
SIC CODE: 5064; 7399
CAPTIONS: Automotive sound is located in the convention center's North Hall, right above the rotunda.
DESCRIPTORS: Winter Consumer Electronics Show-1982; automobile supplies industry-exhibitions; stereophonic sound systems-automobile industry; radio-receivers and reception; sound-recording and reproducing; television-technological innovations; video games-seminars, workshops, etc.

0339101 DATABASE: TI File 148
VHD, LV plan disc system pitches at CES.
Television Digest v21 p10(2) Dec 21 1981
SIC CODE: 3651
DESCRIPTORS: television-technological innovations; electronic industries-exhibitions; Consumer Electronic Show-1982
IDENTIFIERS: video discs and players-exhibitions

0339078 DATABASE: MI File 47
The electronics bazaar. (Las Vegas Consumer Electronics Show)
Newsweek v99 p65(1) Jan 18 1982
CODEN: NSWKA
illustration; photograph
DESCRIPTORS: International Winter Consumer Electronics Show-1982; electronics industries-exhibitions; television industry-exhibitions; record changers-technological innovations; phonograph-technological innovations

[redacted]
Stibbens, Steve
Infosystems v28 p38(4) Dec 1981
illustration; photograph
More and more professionals are working at home on personal computers where they find they can be more productive. Academic researchers, programmers, and other full- or part-time DP users are more satisfied to work on their [redacted]
SIC CODE: 3573
DESCRIPTORS: microcomputers-home use; computers-home use

0331983 DATABASE: TI File 148
Electronic shopping is called a panacea.
Sharp, Christopher
Womens Wear Daily v143 p20(1) Jan 13 1982
SIC CODE: 5200; 4833
NAMED PEOPLE: Leblang, Paul-attitudes
DESCRIPTORS: subscription television-innovations; retail trade-technological innovations; catalogs, commercial-technological innovations
IDENTIFIERS: videotext-innovations

0330261 DATABASE: NNI File 111
Congress to weigh actions to modify A.T. & T. settlement: rate fears voiced: plans sought to protect the consumer from 'staggering' rises.
Holsendolph, Ernest
New York Times v131 Section 1 p1(N) p1(LC) Jan 10 1982
CODEN: NYTIA
col 6 015 col in.
illustration; portrait
EDITION: Sun
SIC CODE: 9222; 3661; 4800; 9121
DESCRIPTORS: United States. Department of Justice-cases; American Telephone and Telegraph Co.-cases; antitrust law-cases; telephone-cases; telecommunication-cases; United States. Congress-commercial policy; legislators-commercial policy

0323888 DATABASE: TI File 148
Home box office: take responsibility for British broadcasting away from the home office.
Economist v281 p16(1) Nov 21 1981
illustration; portrait
GEOGRAPHIC LOCATION: Great Britain
GEOGRAPHIC CODE: ENUK SIC CODE: 4899
DESCRIPTORS: telecommunication-Great Britain; television industry-Great Britain; Great Britain-commercial policy

0322997 DATABASE: TI File 148
Importance to aftermarket is seen fading.
Home & Auto v89 p11(2) Aug 1 1981
illustration; photograph
SIC CODE: 7399; 9914
DESCRIPTORS: automobile supplies industry-exhibitions; automobiles-equipment and supplies; International Summer Consumer Electronics Show-analysis; sound-apparatus; stereophonic sound systems-installation in automobiles

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0322921 DATABASE: TI File 148
CES provides slim pickings for most aftermarket buyers.
Home & Auto v89 p1(2) July 1 1981
SIC CODE: 5331; 9914
DESCRIPTORS: Consumer Electronics Show-1981; automobiles-electronic equipment; automobile supplies industry-marketing

0322207 DATABASE: TI File 148
British Telecom sets up shop; monopoly to end.
Raggett, R.J.
Telephony v201 p51(1) Nov 23 1981
GEOGRAPHIC LOCATION: Great Britain
GEOGRAPHIC CODE: ENUK SIC CODE: 4811
DESCRIPTORS: Great Britain. British Telecommunications-management; telecommunication-Great Britain

0321768 DATABASE: TI File 148
Engineering - the new cottage industry? (personal computers allow engineers to work at home) (editorial)
Dann, Richard T.
Machine Design v53 p81(1) Sept 10 1981
ARTICLE TYPE: editorial
SIC CODE: 3573; 7811
DESCRIPTORS: cottage industries-innovations; engineers-employment; microcomputers-sociological aspects; home labor-innovations

0321271 DATABASE: TI File 148
CLUs told how home computer can help sales, service.
National Underwriter-Life & Health Edition p46(2) Nov 16 1981
SIC CODE: 6411; 6311; 3573
NAMED PEOPLE: Teas, Daniel, II-addresses, essays, lectures
DESCRIPTORS: American Society of Chartered Life Underwriters-conferences and congresses; Provident L & A-officials and employees; insurance, life-automation; microcomputers-home use

0320580 DATABASE: TI File 148
Satellite to home broadcast: Tv's big worry.
Gay, Verne
Marketing & Media Decisions v16 p42(5) July 1981
illustration; photograph; portrait
SIC CODE: 3662; 4833
DESCRIPTORS: Satellite Television Corp.-planning; artificial satellites in telecommunication-television use; television-technological innovations

0318011 DATABASE: TI File 148
Bell moving to digital net by '84; competition for DTS.
Hirsch, Phil
Computerworld v15 p1(2) Nov 16 1981
illustration
AT & T plans to offer an end-to-end digital communications system by 1984. The Bell digital system, Switched Digital Capability, will reach every home and office in contrast to the competitors' digital termination systems whose availability will be limited. However, DTS can transmit up to 1.5M bits per second while the Bell SDC will be able to achieve only 56K bits per second.
SIC CODE: 3661; 4800
DESCRIPTORS: American Telephone and Telegraph Co.-planning; telecommunication systems-planning; digital communications-planning; signal processing-digital techniques

0315425 DATABASE: NNI File 111
Top electronics firms unveil new products for the home market.
Wall Street Journal v106 Section 2 p28(W) Jan 7 1982
CODEN: WSJOAF
col 4 006 col in.
EDITION: Thu
DESCRIPTORS: electronic industries-technological innovations ; Consumer Electronics Show-1982; video games-exhibitions; Commodore International Ltd.-technological innovations; Atari Inc.-technological innovations; Casio Computer Co.-technological innovations

0314994 DATABASE: NNI File 111
Video shop talk: unions try new ways to communicate with their members.
Greenberger, Robert S.
Wall Street Journal v106 p1(W) p1(E) Jan 5 1982
CODEN: WSJOAF
col 5 003 col in.
EDITION: Tue
DESCRIPTORS: trade-unions-communication systems; telephone--conference calls; artificial satellites in telecommunication--usage

0312994 DATABASE: NNI File 111
Crisis in Poland produced a drama for TV journalists: minus communication lines, how can news be relayed to the folks back home?
Mayer, Jane
Wall Street Journal v105 p3(W) p3(E) Dec 15 1981
CODEN: WSJOAF
col 1 012 col in.
EDITION: Tue
GEOGRAPHIC LOCATION: Poland
GEOGRAPHIC CODE: EEPL
DESCRIPTORS: television broadcasting of news-Poland; telecommunication-Poland; politics, practical-Poland; foreign news-transmission; Poland-politics and government

0305004 DATABASE: MI File 47
Homevideo revolution hypes CES show.
Roth, Morry
Variety v303 p45(3) May 27 1981
CODEN: VARIB
SIC CODE: 3650
DESCRIPTORS: Summer Consumer Electronics Show-1981; television-innovations; video tape recorders and recording-marketing; stereophonic sound systems-marketing
IDENTIFIERS: video discs and players-marketing

0304975 DATABASE: MI File 47
Homevideo: Winter CES to be largest ever. (column)
Variety v304 p40(2) Aug 19 1981
CODEN: VARIB
ARTICLE TYPE: column
GEOGRAPHIC LOCATION: Nevada
GEOGRAPHIC CODE: NNUSWNV SIC CODE: 3650
DESCRIPTORS: Winter Consumer Electronics Show-planning; Las Vegas, Nevada-conferences and congresses; electronic apparatus and appliances-marketing; marketing-electronic equipment

0303089 DATABASE: TI File 148
Home banking prospects: a status report on explosive growth.
Orr, Bill
ABA Banking Journal v73 p204(5) Oct 1981
illustration; photograph; chart
CAPTIONS: Interactive information systems.
NAMED PEOPLE: Crivellone, Donald P.-quotations
DESCRIPTORS: First Interstate Bank of California-planning; banks and banking-home use; telecommunication-forecasts

0302554 DATABASE: TI File 148
The small side of IBM.
Data Communications v10 p42(3) Sept 1981
illustration; photograph
SIC CODE: 3573
DESCRIPTORS: IBM Personal Computer (computer)-evaluation; computers-home use; International Business Machines Corp.-manufactures

0298213 DATABASE: TI File 148
[redacted]n California.
Broadcasting v101 1981
SIC CODE: 2711; 4899
DESCRIPTORS: Times Mirror Co. Videotext Services-testing; data transmission systems-testing; information storage and retrieval systems-home use
IDENTIFIERS: videotext-testing

0298183 DATABASE: TI File 148
Home terminals are reality, but are consumers ready?
Broadcasting v101 p32(2) Oct 5 1981
SIC CODE: 4899
DESCRIPTORS: information storage and retrieval systems-home use; [redacted]-surveys; telecommunication-surveys

0288734 DATABASE: NNI File 111
Armchair shopping: retailers face to face with options.
Watterson, Thomas
Christian Science Monitor v73 p11 Nov 4 1981
CODEN: CSMOBF
col 1 018 col in.
illustration; photograph
EDITION: Wed
DESCRIPTORS: stores, retail-automation; television broadcasting-technological innovations; shopping-automation
IDENTIFIERS: videotext-home use

0288460 DATABASE: TI File 148
First Bank System to operate full-service videotex system.
Trigaux, Robert
American Banker v146 p3(2) Nov 4 1981
SIC CODE: 6020; 7375
DESCRIPTORS: First Bank System Inc.-services; subscription television-planning; banks and banking-home use
IDENTIFIERS: videotext-planning

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0284342 DATABASE: TI File 148
Minicomputers streamline retail operations.
Building Supply News v141 p127(3) Sept 1981
illustration; photograph
SIC CODE: 5211; 9916
NAMED PEOPLE: Baumgarten, Rick-quotations
DESCRIPTORS: Lee Lumber and Building Material Corp.-electronic equipment; computers-stores, shopping centers, etc.; retail trade-electronic equipment; stores, retail-electronic equipment
IDENTIFIERS: personal computers-industrial applications

0284012 DATABASE: TI File 148
[redacted] v15 p43(6) Sept 1981
illustration
SIC CODE: 4811
DESCRIPTORS: office practice-automation; word processing (office practice)-home use; data transmission systems-home use
IDENTIFIERS: videotext-usage

0283807 DATABASE: TI File 148
Appealing to shoppers through a CRT terminal - seeing isn't necessarily buying.
Mitchell, Shirley
Data Management v19 p32(3) April 1981
SIC CODE: 3573; 5999
DESCRIPTORS: shopping-automation; consumer education-automation; retail trade-automation; computers-home use; microcomputers-home use

0281998 DATABASE: TI File 148
Home data com test set by AT & T, CBS for N.J.
Electronic News v27 p72(1) Oct 12 1981
SIC CODE: 4800
DESCRIPTORS: teletext (data transmission system)-experiments; computer terminals-home use; American Telephone and Telegraph Co-experiments; CBS Inc.-experiments

0280682 DATABASE: TI File 148
20 million will use teletext by 1990, expert predicts.
American Printer and Lithographer v187 p37(1) Sept 1981
SIC CODE: 4899
DESCRIPTORS: teletext (data transmission system)-forecasts; information services-home use

0280270 DATABASE: TI File 148
Tests launched in Calif. on video home banking.
Barnett, Chris
Journal of Commerce v350 p6A(1) Oct 15 1981
SIC CODE: 6020
DESCRIPTORS: electronic funds transfers-home use; banks and banking-automation; data transmission systems-home use; Bank of America-automation; First Interstate Bank-automation
IDENTIFIERS: videotext-home use

0277720 DATABASE: NNI File 111
CBS, AT & T to test computer-TV gear for home services: venture, set for 200 homes in New Jersey, to offer banking, news [redacted]
Wall Street Journal v105 Section 2 p48(W) p41(E) Oct 9 1981
CODEN: WSJOAF
col 4 014 col in.
EDITION: Fri
DESCRIPTORS: CBS Inc.-planning; American Telephone and Telegraph Co.-planning; community antenna television-technological innovations; newspapers-television use
IDENTIFIERS: teletext-testing

0277522 DATABASE: NNI File 111
American Express will test market personal computer: British marketer counting on $149.95 price tag to spur U.S. sales of tiny unit.
Bulkeley, William M.
Wall Street Journal v105 Section 2 p33(W) Oct 8 1981
CODEN: WSJOAF
col 1 013 col in.
EDITION: Thu
DESCRIPTORS: Sinclair Research Ltd.-manufactures; computer industry-manufactures; minicomputers-testing; American Express Co.-automation; credit cards-home use

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0276135 DATABASE: TI File 148
Shopping by cable said to lack gratification.
Tielis, Laurel
Daily News Record v11 p8(1) Oct 19 1981
SIC CODE: 5200; 4899
NAMED PEOPLE: Dorrington, T. Paul-research
DESCRIPTORS: shopping-technological innovations; community antenna television-technological innovations; retail trade-technological innovations
IDENTIFIERS: videotext-psychological aspects

0275966 DATABASE: TI File 148
The cable connection: channeling your store to the armchair shopper.
Keeton, Ann
Daily News Record v11 p10(2) Sept 28 1981
illustration
Cable television offers retail trade direct shopping services, plus special programming opportunities to help marketing.
SIC CODE: 5200; 4833
DESCRIPTORS: community antenna television-innovations; videotext-economic aspects; retail trade-innovations; department stores-innovations; shopping-innovations

0271886 DATABASE: TI File 148
Truth-in-lending seminar to be transmitted by satellite: BAI to present Jan. 27 Chicago conference at Holiday Inn sites in 35 cities.
Trigaux, Robert
American Banker v146 p3(2) Oct 13 1981
SIC CODE: 6020
DESCRIPTORS: consumer credit-conferences and congresses; Bank Association Institute-conferences and congresses; artificial satellites in telecommunication-usage
IDENTIFIERS: truth-in-lending-conferences and congresses; teleconferencing-planning

0271868 DATABASE: TI File 148
BofA joining home banking pilot: will participate in Times-Mirror videotex project.
Trigaux, Robert
American Banker v146 p2(2) Oct 8 1981
SIC CODE: 6025
DESCRIPTORS: Bank of America-services; banks and banking-home use; Times Mirror Co.-services

0271850 DATABASE: TI File 148
Banking services: what servicers are planning to provide.
Reistad, Dale
American Banker v146 p15(6) Oct 6 1981
SIC CODE: 6020
DESCRIPTORS: banks and banking-services; bank credit cards-innovations; cash dispensers-usage; microcomputers-home use; interest and usury-innovations; computer terminals-home use; subscription television-innovations
IDENTIFIERS: videotex-home use

0271849 DATABASE: TI File 148
[redacted]
Farnsworth, John A.
[redacted] v146 p15(3) Oct 6 1981
SIC CODE: 6020; 3573
DESCRIPTORS: electronic funds transfers-home use; microcomputers-home use; banks and banking-technological innovations; subscription television-innovations
IDENTIFIERS: videotex-home use

0271847 DATABASE: TI File 148
Vast future seen for in-home banking industry: technology, software, and planning are the only problems holding back a banking boom.
Fisher, John F.
American Banker v146 p10(3) Oct 6 1981
SIC CODE: 6000; 3573
DESCRIPTORS: electronic funds transfers-home use; automated tellers-forecasts; banks and banking-technological innovations ; subscription television-innovations
IDENTIFIERS: videotex-home use

0267042 DATABASE: TI File 148
Europe pushes development of home videotex systems.
Jones, Keith
Mini-Micro Systems v14 p59(3) Aug 1981
illustration; photograph
GEOGRAPHIC LOCATION: Europe
GEOGRAPHIC CODE: E SIC CODE: 3573
DESCRIPTORS: data transmission systems-Europe; Europe-communication systems; Prestel (data transmission system)-management; Teletel (data transmission system)-management
IDENTIFIERS: videotext-Europe

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0266110 DATABASE: TI File 148
ABC fights CBS, RCA on satellite to home service.
Editor & Publisher v114 p28(1) July 25 1981
SIC CODE: 9133; 4833
DESCRIPTORS: CBS Inc.-services; RCA Corp.-services; American Broadcasting Co.-planning; artificial satellites in telecommunication-innovations; television-technological innovations; United States. Federal Communications Commission-rules and regulations

0265971 DATABASE: TI File 148
Drugstores look to bigger chunk of consumer electronics.
Thurlow, Ralph M.
Drug Topics v125 p8(33) Aug 7 1981
illustration; photograph
SIC CODE: 5912; 3574; 3661
DESCRIPTORS: Summer Consumer Electronics Show-1981; drugstores-marketing; stores, retail-marketing; electronic industries-exhibitions; calculating-machines-exhibitions; telephone-exhibitions

0264807 DATABASE: TI File 148
300% industry spurt predicted by Stone.
Jacques, Beth
Billboard v93 p61(1) June 13 1981
SIC CODE: 3650
NAMED PEOPLE: Stone, Alex-addresses, essays, lectures
DESCRIPTORS: Consumer Electronics Show-1981; television-technological innovations; video tape recorders and recording-forecasts
IDENTIFIERS: video discs and players-forecasts

0264800 DATABASE: TI File 148
Videodisks, VCRs, TV square off at CES.
Jacques, Beth
Billboard v93 p40(4) June 6 1981
SIC CODE: 3650
DESCRIPTORS: television-technological innovations; Consumer Electronics Show-marketing; RCA Corp.-marketing; video tape recorders and recording-marketing; U.S. Pioneer-marketing; LaserVision Association-marketing; Sears Roebuck and Co.-marketing; North American Philips Corp.-marketing; optoelectronic devices-standards; Japan Victor Co.-marketing; Matsushita Corp.-technological innovations; Sony Corporation of America-marketing
IDENTIFIERS: video discs and players-marketing

0264786 DATABASE: TI File 148
Video rise reflected at Chicago CES.
McCullaugh, Jim; Penchansky, Alan
Billboard v93 p5(3) June 13 1981
illustration; photograph
SIC CODE: 3650
DESCRIPTORS: Consumer Electronics Show-1981; video tape recorders and recording-marketing; television-technological innovations; sound-recording and reproducing; stereophonic sound systems-marketing
IDENTIFIERS: video discs and players-marketing; digital recording-marketing

0264777 DATABASE: TI File 148
Cable TV taping service wants retailers involved.
Lichtman, Irv
Billboard v93 p3(2) June 27 1981
SIC CODE: 7824
NAMED PEOPLE: Segal, Stu-management
DESCRIPTORS: subscription television-services; artificial satellites in telecommunication-services; sound-recording and reproducing; Digital Music Co. Home Music Store-services
IDENTIFIERS: digital recording-services

0264759 DATABASE: TI File 148
CES all ears for digital. (compact video disc)
McCullaugh, Jim
Billboard v93 p1(3) June 6 1981
illustration; photograph
SIC CODE: 3650
DESCRIPTORS: Consumer Electronics Show-marketing; television-technological innovations; sound-recording and reproducing; Sony Corporation of America-marketing; North American Philips Corp.-marketing; Marantz Company Inc.-marketing
IDENTIFIERS: video discs and players-technological innovations; digital recording

0264280 DATABASE: TI File 148
Semiconductor softness reflects users' woes. (part 3)
Watson, Ripley
Journal of Commerce v349 p3A(1) Sept 2 1981
GEOGRAPHIC LOCATION: California
GEOGRAPHIC CODE: NNUSWCA SIC CODE: 3674
DESCRIPTORS: semiconductor industry-economic aspects; San Francisco Bay Area-industries; computers-home use
IDENTIFIERS: personal computers-forecasts

0263484 DATABASE: NNI File 111
CBS and AT and T discuss joint venture to test computer data delivery system.
Landro, Laura
Wall Street Journal v105 Section 2 p48(W) p56(E) Sept 24 1981
CODEN: WSJOAF
col 2 009 col in.
EDITION: Thu
DESCRIPTORS: CBS Inc.-planning; American Telephone and Telegraph Co.-planning; television programs-innovations; information display systems-home use
IDENTIFIERS: teletext-innovations

0258388 DATABASE: NNI File 111
I.B.M. threat to Apple.
Metz, Robert
New York Times v130 p28(N) pD6(LC) Sept 2 1981
CODEN: NYTIA
col 3 016 col in.
EDITION: Wed
DESCRIPTORS: International Business Machines Corp.-marketing; computers-home use; Apple Computer Co.-market share; Digital Equipment Corp.-market share
IDENTIFIERS: personal computers-marketing

0256661 DATABASE: NNI File 111
What happens when IBM tastes small-computer market.
Watterson, Thomas
Christian Science Monitor v73 p20 Sept 15 1981
CODEN: CSMOBF
col 1 020 col in.
illustration; photograph
EDITION: Tue
DESCRIPTORS: computers-home use; microcomputers-forecasts; International Business Machines Corp.-technological innovations
IDENTIFIERS: personal computers-forecasts

0256438 DATABASE: TI File 148
Florida firm service is monitoring home terminal technologies.
Trigaux, Robert
American Banker v146 p11(1) Sept 9 1981
SIC CODE: 3573; 7374
DESCRIPTORS: Home terminal Systems Inc.-services; computers-home use; computer input-output equipment-evaluation
IDENTIFIERS: personal computers-technological innovations

0256430 DATABASE: TI File 148
Computerized home banking project being tested by First Interstate.
Brouillette, Geoff
American Banker v146 p3(2) Sept 9 1981
SIC CODE: 6023
DESCRIPTORS: First Interstate Bank-testing; banks and banking-home use; computers-home use; television programs-innovations
IDENTIFIERS: teletext-testing

[redacted] v146 p9(2) Sept 2 1981
SIC CODE: 6020; 7374
DESCRIPTORS: Booz, Allen and Hamilton Inc.-research; banks and banking-home use; television programs-research
IDENTIFIERS: teletext-research

0256306 DATABASE: TI File 148
Erie Savings Bank of Buffalo establishes videotex subsidiary.
Trigaux, Robert
American Banker v146 p8(2) Aug 26 1981
GEOGRAPHIC LOCATION: New York (State)
GEOGRAPHIC CODE: NNUSLNY SIC CODE: 6030; 3573; 9916
DESCRIPTORS: Erie Savings Bank of Buffalo-management; Macrotel Inc.-management; banks and banking-home use; savings-banks-New York (State); subscription television-services; New York (State)-industries
IDENTIFIERS: videotext-services

0256229 DATABASE: TI File 148
Home banking at Citibank: testing customer wants--and more.
Trigaux, Robert
American Banker v146 p10(1) July 22 1981
SIC CODE: 6020; 3573
DESCRIPTORS: banks and banking-services; Citibank NA-experiments; data transmission systems-experiments; Transaction Technology Inc.-services
IDENTIFIERS: teletext-testing

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0253272 DATABASE: TI File 148
Fitting the microcomputer to systems trading.
Jobman, Darrell
Commodities Magazine v10 p52(2) July 1981
SIC CODE: 5065
NAMED PEOPLE: Slater, Tim-attitudes
DESCRIPTORS: Technical Analysis Group-aims and objectives; computers-home use; commodity exchanges-electronic equipment; speculation-electronic equipment
IDENTIFIERS: Minicomputers-usage

0252958 DATABASE: TI File 148
Voluntary registration bills move forward in Congress. (in tire industry)
Modern Tire Dealer v62 p13(3) July 1981
SIC CODE: 9651
DESCRIPTORS: tire industry-law and legislation; National Tire Dealers and Retreaders Association-political activity; Center for Auto Safety-political activity; United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection and Finance-investigations; consumer protection-law and legislation

0251597 DATABASE: TI File 148
Automakers unite against passive restraints.
Fisher, Mary Jane
National Underwriter-Property & Casualty Insurance Edition p40(2) May 15 1981
SIC CODE: 3711; 9142; 9129
NAMED PEOPLE: Ancker-Johnson, Betsy-evidence; Maugh, Roger E.-evidence; Weisbarth, Hanns-evidence
DESCRIPTORS: United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection and Finance-investigations; automobile industry and trade-political activity; General Motors Corp.-officials and employees; Ford Motor Co.-officials and employees; BMW of North America-officials and employees; United States. Department of Transportation-standards; automobiles-seat belts; air bag restraint systems-law and legislation

0251532 DATABASE: TI File 148
Congress urged not to delay passive restraint standards. (property and casualty edition)
Fisher, Mary Jane
National Underwriter-Property & Casualty Insurance Edition p4(2) May 1 1981
SIC CODE: 6331; 3711
NAMED PEOPLE: Schaffer, Donald L.-evidence
DESCRIPTORS: automobiles-seat belts; National Highway Traffic and Motor Vehicles Safety Act-rules and regulations; United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection and Finance-investigations; Allstate-officials and employees; insurance, automobile-political aspects

0251017 DATABASE: TI File 148
Stay-at-home conferences: more than just an energy-saver.
Edwards, Morris
Infosystems v28 p48(4) Aug 1981
illustration; photograph
ARTICLE TYPE: review
SIC CODE: 4800; 7399
DESCRIPTORS: congresses and conventions-communication systems; telecommunication-industrial applications
IDENTIFIERS: Telephone-Conference calls-industrial applications

0250386 DATABASE: TI File 148
IBM enters personal computer market.
Halper, Mark
Electronic News v27 p54(1) Aug 17 1981
illustration; photograph
SIC CODE: 3573
DESCRIPTORS: computers-home use; International Business Machines Corp.-manufactures; electronic digital computers-marketing
IDENTIFIERS: Minicomputers-marketing

0249704 DATABASE: TI File 148
Albuquerque backs low-cost homes. (Low-Cost Passive Solar Home Project)
Holland, Elizabeth
Solar Age v6 p56(3) May 1981
illustration; photograph; chart
GEOGRAPHIC LOCATION: Albuquerque
GEOGRAPHIC CODE: NNUSTNMA SIC CODE: 1521; 8911
CAPTIONS: Trombe wall detail.
NAMED PEOPLE: Wilkes, Perry-designs and plans
DESCRIPTORS: Albuquerque-housing; public housing-New Mexico; solar houses-New Mexico; architecture and energy conservation-New Mexico; dwellings-energy conservation
IDENTIFIERS: solar design, passive-New Mexico

0248369 DATABASE: TI File 148
Govt. pushes satellite-home. (broadcasting)
Gordon, Richard L.; Marich, Bob; Cohen, Stanley E.
Advertising Age v52 p1(2) April 20 1981
SIC CODE: 7313
NAMED PEOPLE: Reagan, Ronald-economic policy; Baldrige, Malcolm-economic policy
DESCRIPTORS: presidents-economic policy; United States. Federal Communications Commission-management; artificial satellites in telecommunication-rules and regulations; National Association of Broadcasters-political aspects; National Cable Television Association-political activity

0246995 DATABASE: NNI File 111
Experts say IBM's entry will buoy already booming software industry.
Anders, George
Wall Street Journal v105 Section 2 p25(W) p31(E) Aug 19 1981
CODEN: WSJOAF
col 4 033 col in.
EDITION: Wed
DESCRIPTORS: International Business Machines Corp.-management; microcomputers-marketing; computer programs-marketing; Peachtree Software Inc.-contracts and specifications; computers-home use; Lifeboat Associations-management; Personal Software-management; minicomputers-computer programs
IDENTIFIERS: Minicomputers-computer programs

0246088 DATABASE: NNI File 111
IBM set to announce entry into home-computer field.
Anders, George
Wall Street Journal v105 Section 2 p25(W) p35(E) Aug 11 1981
CODEN: WSJOAF
col 4 021 col in.
illustration; chart
EDITION: Tue
CAPTIONS: Personal computers market share, 1981.
DESCRIPTORS: International Business Machines Corp.-planning; computer industry-planning; computers-home use
IDENTIFIERS: Minicomputers-production control

0244394 DATABASE: TI File 148
IBM launches small personal computer.
Womens Wear Daily v142 p11(1) Aug 17 1981
SIC CODE: 3573
DESCRIPTORS: computers-home use; International Business Machines Corp.-manufactures
IDENTIFIERS: Minicomputers-technological innovations

0243735 DATABASE: NNI File 111
Next, a computer on every desk: a new industry has burst out, with big-time players like I.B.M. and Xerox and no ceiling in sight. In the wings are the Japanese.
Pollack, Andrew
New York Times v130 Section 3 pF1(N) pF1(LC) Aug 23 1981
CODEN: NYTIA
col 2 062 col in.
illustration; table; table
EDITION: Sun
CAPTIONS: Home, school, small business, office and scientific.; A sampler of some personal computers.
DESCRIPTORS: computers-marketing
IDENTIFIERS: Minicomputers-marketing

0243256 DATABASE: NNI File 111
New mighty mite: I.B.M. (personal computers)
New York Times v130 Section 3 pF20(N) pF20(LC) Aug 16 1981
CODEN: NYTIA
col 5 006 col in.
illustration; photograph
EDITION: Sun
DESCRIPTORS: International Business Machines Corp.-manufactures; computers-home use
IDENTIFIERS: Minicomputers-innovations

0241276 DATABASE: TI File 148
Videotex transaction option backed.
Trigaux, Robert
American Banker v146 p6(1) Aug 12 1981
SIC CODE: 3662; 6020
DESCRIPTORS: subscription television-research; telecommunication-research; Communications Studies and Planning International-research; banks and banking-home use
IDENTIFIERS: videotext-research

0241200 DATABASE: TI File 148
ADP starts home banking pilot. (Automatic Data Processing)
American Banker v146 p8(1) Aug 5 1981
SIC CODE: 7374; 6055
DESCRIPTORS: Electronic data processing-services; banks and banking-home use; subscription television-innovations; Home Banking Interchange-testing; electronic funds transfers-home use
IDENTIFIERS: teletext (data transmission system)-innovations

0234518 DATABASE: MI File 47
Porno pushers' big promotion at Chi show.
Segers, Frank
Variety v303 p1(2) June 10 1981
CODEN: VARIB
SIC CODE: 7823; 3652
DESCRIPTORS: television-technological innovations; pornography-marketing; Summer Consumer Electronics Show-1981
IDENTIFIERS: video discs and players-marketing

0234497 DATABASE: MI File 47
Gearing up for a gadget onslaught at Chicago show.
Variety v302 p1(2) April 8 1981
CODEN: VARIB
GEOGRAPHIC LOCATION: Chicago
Consumer Electronic show not open but already successful - waiting list for exhibitors - great interest in new video and satellite technology.
DESCRIPTORS: Consumer Electronics Show-1981; electronic industries-exhibitions; Chicago-exhibitions; television-technological innovations; electronic apparatus and appliances-exhibitions
IDENTIFIERS: video discs and players-exhibitions

0230381 DATABASE: TI File 148
ABC sends FCC a DBS message. (direct satellite-to-home broadcasting)
Backstage v22 p1(2) July 3 1981
SIC CODE: 9631; 4833
DESCRIPTORS: American Broadcasting Cos., Inc.-attitudes; United States. Federal Communications Commission-rules and regulations; artificial satellites in telecommunication-rules and regulations; Satellite Television Corp.-rules and regulations

0228031 DATABASE: TI File 148
Using microcomputers to investigate trading systems.
MacDonough, E.P.
Commodities Magazine v10 p60(4) June 1981
SIC CODE: 6793
DESCRIPTORS: computers-home use; speculation-analysis
IDENTIFIERS: Minicomputers-economic aspects

0226939 DATABASE: TI File 148
Pocket-size printing calcs star in CES competition. (Consumer Electronics Show)
Retailing Home Furnishings v55 p446(1) June 15 1981
illustration; photograph
SIC CODE: 3573
DESCRIPTORS: calculating-machines-technological innovations; Casio-manufactures; Sharp-manufactures; Canon-manufactures; electronic industries-manufactures

0226931 DATABASE: TI File 148
Direct satellite-to-home stations attract heavy traffic at show.
Hataye, John
Retailing Home Furnishings v55 p46(1) June 15 1981
SIC CODE: 3651; 3662; 3679
DESCRIPTORS: artificial satellites in telecommunication-forecasts; earth stations (satellite telecommunication)-forecasts; antennas (electronics)-exhibitions; Consumer Electronics Show-1981

0226923 DATABASE: TI File 148
Matsushita's exhibit a hit at CES. (Consumer Electronics Show)
Retailing Home Furnishings v55 p40(1) June 15 1981
SIC CODE: 5722
DESCRIPTORS: Matsushita Electric Industrial Co.-manufactures; electronic industries-manufactures; Consumer Electronics Show-1981

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0226789   DATABASE: TI File 148
  Sign-off  of  CES hits high register.  (Consumer Electronics
Show)
  Greenberg, Manning,
  Retailing Home Furnishings   v55   p1(2)   June 8   1981
  illustration; portrait
  SIC CODE: 3651
  NAMED PEOPLE: Chase, Glen-attitudes
  DESCRIPTORS:  Consumer  Electronics  Show-1981;  electronic
apparatus  and  appliances-exhibitions;  stereophonic  sound
systems-exhibitions;  retail  trade-exhibitions;  electronic
industries-exhibitions;    video    tape    recorders    and
recording-industries; television-equipment and supplies


0226788   DATABASE: TI File 148
  Stores hope 'to play's the thing'  getting cash registers to
ring.
  Retailing Home Furnishings   v55   p1(1)   June 1   1981
  illustration; photograph
  Summer CES displayed evolutions in video.
  SIC CODE: 5730
  DESCRIPTORS: Consumer Electronics  Show-1981;  video  tape
recorders and recording-exhibitions;  television-equipment and
supplies


0225822   DATABASE: TI File 148
  CES - technology erases limits to growth.
  Television Digest   v21   p11(3)   June 8   1981
  SIC CODE: 3650
  DESCRIPTORS:  Consumer  Electronics  Show-1981; electronic
industries-exhibitions;   video   tape   recorders    and
recording-exhibitions


0222767   DATABASE: MI File 47
  Babel revisited. (consumer electronics show) (editorial)
  Rogers, Hal
  Popular Electronics   v19   p4(1)   April   1981
  CODEN: POELA
  ARTICLE TYPE: editorial
  DESCRIPTORS: Winter Consumer Electronics Show-1981; computer
industry-standards


0222661   DATABASE: TI File 148
  General Electric's ASD reorganizes service shop.
  Telephony   v200   p38(1)   March 30   1981
  Reorganization of Apparatus Service division.
  SIC CODE: 4811
  DESCRIPTORS: General Electric Co.-management; telecommunica-
tion-mergers and consolidations
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0222633   DATABASE: TI File 148
  CES shows off the fanciest telephones and accessories.
  Keller, Letitia
  Telephony   v201   p29(1)   July 6   1981
  illustration; photograph
  SIC CODE: 3650; 5060
  DESCRIPTORS:  Consumer  Electronics  Show-1981;  electonic
industries-exhibitions


0222585   DATABASE: TI File 148
  Texas court hogties AT&T EIS test.
  Telephony   v200   p16(1)   April 13   1981
  Home  information  system  (Electronic  Information Service)
held up by litigation ... newspapers object to monopoly status
of AT&T.
  SIC CODE: 4811
  DESCRIPTORS: Southwestern Bell Telephone Co.-cases;   Texas
Daily  Newspapers  Association-cases;  information storage and
retrieval systems-home use;  data transmission  systems-cases;
information   services-technological   innovations;   American
Telephone and Telegraph Co.-cases
  IDENTIFIERS: teletext (data transmission system)-cases


0222528   DATABASE: TI File 148
  Dow Jones picks Antiope for cable TV service.
  Telephony   v200   p11(1)   March 30   1981
  Contract for home information system.
  SIC CODE: 4811
  DESCRIPTORS: Dow Jones and Co.-contracts and specifications;
Antiope  Videotex  Systems  Inc.-contracts and specifications;
Danbury News-Times (newspaper)-services


0209579   DATABASE: MI File 47
  The solitary beedeeper. (Winter Consumer Electronics Show)
  Grosswirth, Marvin
  Datamation   v27   p153(3)   May   1981
  CODEN: DTMNA
  illustration
  Humorous  account of Winter Consumer Electronics show in Las
Vegas.
  DESCRIPTORS: electronic apparatus and appliances-conferences
and congresses
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0208694 DATABASE: TI File 148
Home delivery of electronic newspapers.
Saxton, W.A.; Edwards, Morris
Infosystems v28 p104(2) June 1981
illustration; portrait
SIC CODE: 4811
DESCRIPTORS: data transmission systems-standards; American Telephone and Telegraph Co.-technological innovations
IDENTIFIERS: teletext (data transmission system)-standards; videotext-standards

0203816 DATABASE: TI File 148
AT & T's entry in home TV limited by ANPA amendment.
Brandon, George
Editor & Publisher v114 p11(2) July 4 1981
SIC CODE: 4811; 4821; 9651
DESCRIPTORS: telecommunication-law and legislation; American Newspaper Publishers Association-political activity; American Telephone and Telegraph Co.-information services; mass media-law and legislation; electronic data processing-law and legislation; information services-law and legislation

0192154 DATABASE: TI File 148
Future shop. (video shopping)
Chain Store Age - Executives Edition v57 p84(1) March 1981
Viewtron, new at home shopping service using TV screen now being tested by Viewdata Corp. of America.
SIC CODE: 4899
DESCRIPTORS: television-technological innovations; Viewdata Corporation of America-technological innovations; shopping-automation
IDENTIFIERS: teletext (data transmission system)-technological innovations

0191571 DATABASE: TI File 148
Telephone entry debated at NCTA.
Broadcasting v100 p60(1) June 8 1981
SIC CODE: 4834
DESCRIPTORS: information services-home use; American Newspapers Publishers Association-commercial policy; telecommunication-rules and regulations
IDENTIFIERS: deregulation-communication systems

0191567 DATABASE: TI File 148
Newspapers, AP help Compuserve triple subscribers.
Broadcasting v101 p59(2) July 6 1981
SIC CODE: 4811
DESCRIPTORS: data transmission systems-usage; Compuserve Corp.-services; information storage and retrieval systems-home use
IDENTIFIERS: videotext-statistics

0191545 DATABASE: TI File 148
Spring brings new technology exhibition to Capitol Hill. (exhibition for benefit of House Telecommunications Subcommittee)
Broadcasting v100 p52(2) March 30 1981
illustration; photograph
Warner's Qube system....other home use systems demonstrated...Comsat demonstrated new Marist system.
SIC CODE: 4811; 4841
DESCRIPTORS: telecommunication-exhibitions; Warner Amex Cable Cable Communications-exhibitions

0191462 DATABASE: TI File 148
AT and T's home video entry chartered by Packwood bill. (Bob Packwood)
Broadcasting v100 p30(2) April 13 1981
Telecommunications Competition and Deregulation Act would allow AT&T certain service but only in separate subsidiary ... independent telephone companies face restrictions also.
SIC CODE: 4833; 4810
NAMED PEOPLE: Packwood, Robert-commercial policy
DESCRIPTORS: telecommunication-law and legislation; American Telephone and Telegraph Co.-services; telecommunication-law and legislation; subscription television-law and legislation
IDENTIFIERS: deregulation-law and legislation; videotext-law and legislation

0189027 DATABASE: TI File 148
Advertisers gear for cable video market.
Thys, Frederic
Journal of Commerce v348 p5A(1) June 17 1981
DESCRIPTORS: community antenna television-marketing; subscription television-marketing; television advertising-planning; Home Box Office-management
IDENTIFIERS: videotext-forecasts

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0187336   DATABASE: NNI File 111
  CBS and RCA file for satellite-to-home television services.
  Wall  Street  Journal   v105   Section 2   p41(W)    July 17
1981
  CODEN: WSJOAF
  col 3   009 col in.
  EDITION: Fri
  DESCRIPTORS:   CBS,   Inc.-planning;   RCA   Corp.-planning;
artifical    satellites    in    telecommunication-rules    and
regulations; television industry-technological innovations


0186844   DATABASE: NNI File 111
  With  video  shopping services,  goods you see on the screen
can be delivered to your door. (teletext)
  Cooney, John E.
  Wall Street Journal   v105   Section 2   p48(W)     July  14
1981
  CODEN: WSJOAF
  col 1   032 col in.
  EDITION: Tue
  DESCRIPTORS:  television programs-innovations;  subscription
television-innovations
  IDENTIFIERS: teletext (data transmission system)-innovations
; videotext-innovations


0182491   DATABASE: NNI File 111
[redacted]
  Cooney, John E.
  Wall Street Journal   v104   p21(W) p21(E)   June 9   1981
  CODEN: WSJOAF
  col 1   015 col in.
  EDITION: Tue
  DESCRIPTORS: CBS, Inc.-marketing; television advertising-te-
chnological  innovations;   television  programs-technological
innovations
  IDENTIFIERS: teletext (data transmission system)-marketing


0177883   DATABASE: NNI File 111
  Sears  beams  life  into  summer catalog for video shopping:
test to run in 9 stores,  1000 homes;  new 2-way cable  offers
television quality.
  Weiner, Steve
  Wall Street Journal   v104   p12(W) p10(E)   May 1   1981
  CODEN: WSJOAF
  col 3   017 col in.
  EDITION: Fri
  DESCRIPTORS:      Sears,    Roebuck    and    Co.-technological
innovations; retail trade-technological innovations
  IDENTIFIERS:  teletext (data transmission system)-industrial
applications


0177047   DATABASE: NNI File 111
  Personal-computer  field  dominated  by 3 firms,  but battle
royal looms as others enter market. (column)
  Elia, Charles J.
  Wall Street Journal    v104    Section  2    p47(W)   p55(E)
April 24   1981
  CODEN: WSJOAF
  col 3   018 col in.
  EDITION: Fri
  ARTICLE TYPE: column
  NAMED PEOPLE: Rosen, Benjamin-forecasts
  DESCRIPTORS: International Business Machines Corp.-planning;
Digital Equipment Corp.-planning; computer industry-forecasts;
computers-home use
  IDENTIFIERS: Minicomputers-forecasts


0176559   DATABASE: NNI File 111
  Direct satellite-to-home TV is cleared by FCC over broadcast
industry protests.
  Wall Street Journal   v104   p20(W) p25(E)   April 22   1981
  CODEN: WSJOAF
  col 5   015 col in.
  EDITION: Wed
  DESCRIPTORS:     United    States.    Federal    Communications
Commission-commercial  policy;    artificial    satellites    in
telecommunication-rules      and      regulations;      television
broadcasting-rules  and  regulations;   Satellite   Television
Corp.-planning


0175838   DATABASE: NNI File 111
  Support  of  satellite-to-home  TV service by president is a
blow to major networks.
  Warner, Margaret Garrard
  Wall Street Journal   v104   p8(W) p12(E)   April 16   1981
  CODEN: WSJOAF
  col 2   012 col in.
  EDITION: Thu
  NAMED PEOPLE:  Reagan,  Ronald-commercial policy;  Baldrige,
Amlcolm-attitudes;    Lee,   Robert  E.-management;   Krasnow,
Erwin-quotations
  DESCRIPTORS: artificial satellites in telecommunication-pol-
itical aspects; television broadcasting-rules and regulations;
United States.  Federal  Communications  Commission-rules  and
regulations;   United States.  National Telecommunications and
Information Administration-rules and regulations;   community
antenna television-rules and regulations
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0076489 DATABASE: TI File 148
"Space" man keeps TV shopping hopping.
Sharp, Christopher
Womens Wear Daily v142 p32(1) May 13 1981
illustration; portrait
Popularity of cable television shopping programs.
SIC CODE: 5200
NAMED PEOPLE: Perkins, James-management
DESCRIPTORS: subscription television-services; shopping-technological innovations; Home Shopping Show (television program)-production and direction; television advertising-innovations

0074688 DATABASE: NNI File 111
CBS and RCA seek new broadcasting: satellite to home.
Pollack, Andrew
New York Times v130 p26(N) pD4(LC) July 17 1981
CODEN: NYTIA
col 1 014 col in.
illustration; photograph
EDITION: Fri
DESCRIPTORS: CBS, Inc.-licenses; RCA Corp.-licenses; United States. Federal Communications Commission-rules and regulations; subscription television-licenses; telecommunication-licenses; artificial satellites in telecommunication-licenses

0071622 DATABASE: NNI File 111
Personal stereo market swells.
Pollack, Andrew
New York Times v130 p25(N) pD1(LC) June 5 1981
CODEN: NYTIA
col 4 031 col in.
illustration; photograph
EDITION: Fri
NAMED PEOPLE: Kato, Hiro-management
DESCRIPTORS: Sony Corp.-manufactures; electronic industries-manufactures; stereophonic sound systems-home use; International Summer Consumer Electronics Show-1981

0065681 DATABASE: NNI File 111
Rising trend of computer age: employees who work at home.
Pollack, Andrew
New York Times v130 p1(N) pA1(LC) March 12 1981
CODEN: NYTIA
col 2 045 col in.
illustration; photograph
EDITION: Thu
NAMED PEOPLE: Toffler, Alvin-interviews; McClintock, Charles C.-interviews
DESCRIPTORS: home labor-innovations; computers-home use; telecommunication-home use; office practice-automation

0006845 DATABASE: NNI File 111
Cable TV, phone industry in race to sell their wires. (home use of data transmission wires)
Ingwerson, Marshall
Christian Science Monitor v73 p4 Feb 4 1981
CODEN: CSMOBF
col 1 018 col in.
EDITION: Wed
GEOGRAPHIC LOCATION: Boston
DESCRIPTORS: information storage and retrieval systems-home use; data transmission systems-marketing; telecommunication systems-marketing; subscription television-marketing; telephone wire-industrial applications; American Telephone and Telegraph Co.-marketing; M-A-COM-planning; computer networks-marketing; Warner Amex-marketing

0006745 DATABASE: NNI File 111
The wonderful, sometimes confusing world of home video.
Unger, Arthur
Christian Science Monitor v73 p15 Jan 12 1981
CODEN: CSMOBF
col 1 030 col in.
EDITION: Mon
GEOGRAPHIC LOCATION: New York
DESCRIPTORS: information storage and retrieval systems-home use; telecommunication systems-home use; Warner Amex Cable Communications Inc.-planning; community antenna television-services; data transmission systems-home use; information services-technological innovations
IDENTIFIERS: videotext-planning

0004543 DATABASE: TI File 148
Satellite communication takes a big leap forward. (telecommunications)
Orr, Bill
ABA Banking Journal v73 p76(3) Jan 1981
SIC CODE: 6020
DESCRIPTORS: Crocker National Bank-communication systems; Wells Fargo Bank-communication systems; artificial satellites in telecommunication-usage; banks and banking-communication systems

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0004509   DATABASE: TI File 148
  Recordkeeping,   bill   paying   top   financial wants via home
terminal.
  American Banker   v146   p11(1)   June 10   1981
  SIC CODE: 6020
  DESCRIPTORS:   Payment   Systems   Inc.-reports;   banks   and
banking-services; subscription television-home use
  IDENTIFIERS: videotext-services


0004231   DATABASE: TI File 148
  AT and T unveils Videotex standard critical to spread of new
systems:   the   development   of   home   information   systems,
including banking,  will be affected;  some banks are pleased,
some are not.
  Trigaux, Robert
  American Banker   v146   p1(2)   May 21   1981
  American  Telephone  and  Telegraph  Company has developed a
system to standardize Videotex.  Banks which use  incompatible
equipment are displeased.
  SIC CODE: 6010
  DESCRIPTORS:        American       Telephone       and       Telegraph
Co.-technological innovations;  information services-home use;
data    transmission    systems-standards;    Electronic    funds
transfers-home use
  IDENTIFIERS: videotext-standards


0004049   DATABASE: TI File 148
  MHT joins home banking test: second mtges.  to be offered on
CATV in San Diego area.
  Trigaux, Robert
  American Banker   v146   p3(1)   April 6   1981
  GEOGRAPHIC LOCATION: San Diego, California
  A televised and computerized experiment in home banking.
  SIC CODE: 6020
  DESCRIPTORS:   Manufacturers   Hanover   Corp.-technological
innovations; Cox Communications Inc.-technological innovations
; California-information services; banks and banking-technolo-
gical   innovations;    community   antenna   television-usage;
mortgages-information services; Interactive Data Exchange-man-
agement; San Diego, California-information services
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MAGAZINE INDEX DATABASE

MAGAZINE INDEX offers broad coverage of general magazines. It indexes more than 435 popular magazines & provides extensive coverage of current affairs, leisure time activities, home centered arts, sports, recreation and travel, the performing arts, business, science and technology, consumer product evaluations, and other areas. It is a valuable source for information on market research, public relations, government relations, journalism, food and nutrition, and the social sciences.

1581355 DATABASE: MI File 47
Library catalog; a program for creating a personal computer based library catalog (small and home libraries)
Hellman, Jeremy M.
Creative Computing v9 p216(22) March 1983
illustration; table; table
CAPTIONS: Record structure for LIBREC-120.; Key parameters used in Library Catalog Program.
DESCRIPTORS: library catalogs-computer programs; microcomputers-home use; computer programs-home use

1581347 DATABASE: MI File 47
CES: another perspective.
Uston, Ken
Creative Computing v9 p52(2) April 1983
illustration; photograph; portrait
SIC CODE: 3573
DESCRIPTORS: Winter Consumer Electronics Show-1983; computer industry-marketing; microcomputers-technological innovations; video games-technological innovations; musical instruments-technological innovations

1581346 DATABASE: MI File 47
1983 Winter Consumer Electronics Show; creative computing presents the Short Circuit Awards.
Ahl, David H.; Staples, Betsy
Creative Computing v9 p18(14) April 1983
illustration; photograph; portrait; chart; table
SIC CODE: 3573
CAPTIONS: Personal computers for the home: price - performance.; (New computers.)
DESCRIPTORS: computers-aids and devices; Winter Consumer Electronics Show-1983; computer industry-marketing; Creative Computing (periodical)-achievements and awards; video games-achievements and awards; microcomputers-exhibitions

1572681 DATABASE: MI File 47
Executive ed. at Computer U. (personal computer use by executives)
Rowan, Roy
Fortune v107 p58(4) March 7 1983
CODEN: FORTA
illustration; photograph
NAMED PEOPLE: Farson, Richard-management
DESCRIPTORS: School of Management and Strategic Studies-aims and objectives; Western Behavioral Sciences Institute-curricula; microcomputers-home use; executives-knowledge and learning ; computer-assisted instruction-innovations; business education-technological innovations

1572418 DATABASE: MI File 47
Print-outs for good cooking. (computer as recipe file) (includes recipes)
Fulvi, Ronnie J.
Farm Journal v107 p39(1) Jan 1983
CODEN: FAJOA
illustration; photograph
DESCRIPTORS: cookery (cheese); cookery (carrots); bread; stews; cake; cookery (pecans); farmers' wives-publishing; microcomputers-home use

1572113 DATABASE: MI File 47
Can a home computer help you?
Family Handyman v33 p40(2) Feb 1983
CODEN: FAHAA
DESCRIPTORS: computers-home use; microcomputers-home use

1571423 DATABASE: MI File 47
Home computer; ready or not, here they come!
Goodman, Danny
Better Homes and Gardens v61 p144(6) March 1983
CODEN: BHGHA
illustration; photograph
SIC CODE: 3573
DESCRIPTORS: computers-home use; microcomputers-purchasing; computer programs-home use; word processing (office practice)-home use; computer industry-directories

1570112 DATABASE: MI File 47
The intelligent toaster, or Experiments in computer control. (home of future's touch-input systems)
Robillard, Mark J.
Microcomputing v7 p42(4) Jan 1983
illustration; photograph; chart
CAPTIONS: (8 computer diagrams, flowcharts, & schematics.)
DESCRIPTORS: electronic apparatus and appliances-technological innovations; microcomputers-home use; household appliances-technological innovations; computer input-output equipment-technological innovations
IDENTIFIERS: keyboards (data entry)-home use

1568109 DATABASE: MI File 47

Too little sports on TV?

Beermann, Frank

Variety v309 p46(1) Dec 15 1982

CODEN: VARIB

SIC CODE: 4899

DESCRIPTORS: [redacted] of sports-public opinion; [redacted] consumers' preferences-surveys; cable [redacted] opinion

1568054 DATABASE: MI File 47

Toronto researcher throws cold water on videotex future.

Variety v309 p41(2) Nov 3 1982

CODEN: VARIB

SIC CODE: 4833

NAMED PEOPLE: O'Bryan, Kenneth-research

DESCRIPTORS: information services-home use; television-innovations

IDENTIFIERS: videotext-public opinion

1561730 DATABASE: MI File 47

Japan's equipment markets: data processing leads, as consumer sector stumbles.

Electronics v56 p152(5) Jan 13 1983

CODEN: ELECA

illustration; photograph; table

GEOGRAPHIC LOCATION: Japan

GEOGRAPHIC CODE: AEJA SIC CODE: 3670; 3661

CAPTIONS: Japan equipment consumption.

DESCRIPTORS: computer industry-Japan; telecommunication equipment industry-Japan; electronic instruments-Japan; home video systems-Japan; Japan-industries

1561719 DATABASE: MI File 47

U.S. markets: consumer.

Electronics v56 p136(1) Jan 13 1983

CODEN: ELECA

illustration; table

SIC CODE: 3651; 3573

CAPTIONS: U.S. electronics consumption.

DESCRIPTORS: television-receivers and reception; radio-receivers and reception; home video systems-marketing; stereophonic sound systems-marketing; microcomputers-marketing ; automobiles-electronic equipment

1561696 DATABASE: MI File 47

Video games eye computer world.

Kozma, Robert J.

Electronics v56 p54(2) Jan 27 1983

CODEN: ELECA

SIC CODE: 3573

DESCRIPTORS: video games-equipment and supplies; microcomputers-forecasts; computers-home use

1561633 DATABASE: MI File 47

AT & T spinoff eyes consumer markets.

Godin, Roger J.

Electronics v55 p33(3) Dec 29 1982

CODEN: ELECA

illustration

SIC CODE: 4899

NAMED PEOPLE: Marshall, Charles-selection and appointment; McGill, Archie J.-selection and appointment; Barbera, Sal-selection and appointment; Tobias, Randall L.-selection and appointment

DESCRIPTORS: American Bell Inc.-management; telecommunication-management; Net 1000 (computer network)-management

1549336 DATABASE: MI File 47

Computerizing for profit: buying the right computer at the right time can save you money.

Smith, Faye McDonald

Black Enterprise v11 p75(4) June 1981

CODEN: BLENDG

illustration; photograph

DESCRIPTORS: computers-industrial applications; Afro-American business enterprises-technological innovations; operating systems (computers)-industrial applications; microcomputers-home use

1548581 DATABASE: MI File 47

Chips fall in home computer market: manufacturers weigh think vs. play.

Seideman, Tony

Variety v308 p39(1) Sept 22 1982

CODEN: VARIB

SIC CODE: 7993

DESCRIPTORS: video games-marketing; computers-home use; microcomputers-home use

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1546307   DATABASE: MI File 47
  Explosion of high-tech products for the home.
  US News and World Report   v93   p65(4)   Dec 27   1982
  CODEN: XNWRA
  SIC CODE: 2700
  DESCRIPTORS: microcomputers-home use; television-technologi-
cal innovations; radio-technological innovations; publishers
and publishing-technological innovations; Novation
Inc.-manufactures


1546306   DATABASE: MI File 47
  Computers for the masses: the revolution is just beginning.
  US News and World Report   v93   p64(2)   Dec 27   1982
  CODEN: XNWRA
  illustration; photograph
  SIC CODE: 3573
  DESCRIPTORS: microcomputers-home use; computer industry-for-
ecasts; video games-market share


1542747   DATABASE: MI File 47
  Editorial. (home computers) (editorial)
  McGowan, Alan
  Environment   v24   pCOV   Nov   1982
  CODEN: ENVTA
  ARTICLE TYPE: editorial
  GEOGRAPHIC LOCATION: Great Britain
  GEOGRAPHIC CODE: ENUK   SIC CODE: 4833
  DESCRIPTORS: technology and civilization-forecasts;
microcomputers-home use; television broadcasting-technological
innovations; Great Britain-communication systems
  IDENTIFIERS: videotext-Great Britain


1542161   DATABASE: MI File 47
[redacted]
  CODEN: BUWEA
  illustration; table
  SIC CODE: 8231
  CAPTIONS: The leading 'libraries' that a personal computer
user can consult.
  DESCRIPTORS: information storage and retrieval systems-home
use; information services-marketing-ompuServe Inc. Information
Services Div.-marketing; Dow Jones and Co. Dow Jones
Information Service Div.-marketing; Dialog Information
Services Inc.-marketing


1538656   DATABASE: MI File 47
  Use your computer as a solar design tool.
  Milstein, Jeffrey
  Popular Science   v221   p96(3)   Dec   1982
  CODEN: POSCD
  illustration; photograph; chart
  CAPTIONS: Computer-generated graphs and tables predict solar
performance.
  DESCRIPTORS: microcomputers-home use; architecture,
domestic-computer programs; solar houses-computer programs;
computer programs-home use


1535995   DATABASE: MI File 47
  Personal computers.
  Toong, Hoo-min D.; Gupta, Amar
  Scientific American   v247   p86(13)   Dec   1982
  CODEN: SLAMA
  illustration; photograph; graph; graph; graph
  CAPTIONS: (Growth forecasts for the personal computer
market); Annual sales of personal computers.; Retail price of
a personal computer.
  DESCRIPTORS: computers-home use; microcomputers-home use


1533433   DATABASE: MI File 47
  Inexpensive home satellite receiver operates at 12 GHz.
  Neff, Robert
  Electronics   v55   p68(1)   Nov 30   1982
  CODEN: ELECA
  SIC CODE: 3661
  DESCRIPTORS: Toshiba Corp.-manufactures; earth stations
(satellite telecommunication)-home use


1533275   DATABASE: MI File 47
  Playing with money. (banking at home)
  Esquire   v99   p42(1)   Jan   1983
  CODEN: ESQRA
  SIC CODE: 6000
  DESCRIPTORS: banks and banking-innovations; microcomputers--
home use; United American Bank of Memphis-electronic equipment


1533274   DATABASE: MI File 47
  How to furnish the electronic cottage.
  Esquire   v99   p42(2)   Jan   1983
  CODEN: ESQRA
  illustration
  DESCRIPTORS: microcomputers-home use; investments-computer
programs; finance, personal-computer programs
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1532818   DATABASE: MI File 47
  Taking the leap: how to shop for a home computer.
  Business Week   p86(3)   Dec 20   1982
  CODEN: BUWEA
  illustration; table
  CAPTIONS: Some things you can do on a home computer
  DESCRIPTORS: microcomputers-purchasing; computer programs-h-
ome  use;   semiconductor  storage  devices-purchasing;  Texas
Instruments Inc.-marketing


1531797   DATABASE: MI File 47
  The  intelligent  toaster,   or,   experiments  in  computer
control. (world of intelligent machines) (home use) (part 1 of
series)
  Robillard, Mark J.
  Microcomputing   v6   p46(6)   Nov   1982
  illustration; table; chart; chart; chart; chart
  SIC CODE: 3823
  CAPTIONS:  Bus structure consists of these signals.;  Block
diagram  of kitchen controller system.;  Security system block
diagram.;  Rendering of the various work robots  proposed  for
the system.; Block diagram of the UNIMEM control system.
  DESCRIPTORS:     microcomputers-technological    innovations;
robots, industrial-home use; artificial intelligence-home use;
UNIMEM (computer)-home use


1531793   DATABASE: MI File 47
  Micros -  in a new light:  if you've been considering adding
solar heating to your home,  you'll want to control the system
with a microcomputer for maximum comfort and efficiency.
  Gupton, James A.
  Microcomputing   v6   p36(4)   Nov   1982
  illustration; photograph; chart; chart; chart; chart
  CAPTIONS: Basic solar hot water and heating concept.;  Solar
energy home's inside baseboard heater and control.;   Computer
controlled   solar    energy   heating.;    PIA  output  register
connections to system driver relays.
  DESCRIPTORS: microcomputers-home use; solar houses-automati-
on;  dwellings-energy conservation;  energy  conservation-home
use; temperature control-automation


1529009   DATABASE: MI File 47
  Where to learn. (using a microcomputer)
  Money   v11   p116(2)   Nov   1982
  CODEN: MNEYA
  DESCRIPTORS: microcomputers-home use; computer programs-pur-
chasing


1529003   DATABASE: MI File 47
  Word processing. (using a personal computer)
  Money   v11   p89(2)   Nov   1982
  CODEN: MNEYA
  DESCRIPTORS: computer programs-purchasing; microcomputers-u-
sage; word processing (office practice)-home use


1525463   DATABASE: MI File 47
  RTTY  and  the  computer.   (radioteletype)  (Communications
corner) (column)
  Friedman, Herb
  Radio-Electronics   v53   p100(2)   Nov   1982
  CODEN: RESYA
  ARTICLE TYPE: column
  DESCRIPTORS: radioteletype-electronic equipment; microcompu-
ters-home use


1524972   DATABASE: MI File 47
  A home computer primer: in this gift giving season,  a guide
through the electronic jungle.
  Stone, Antonia
  Natural History   v91   p84(7)   Nov   1982
  CODEN: NAHIB
  illustration; table
  CAPTIONS: Popular home computers.
  NAMED PEOPLE: Papert, Seymour-books
  DESCRIPTORS:   microcomputers-home  use;   Basic   (computer
program)-home use; computer programs-home use;  Logo (computer
program)-aims and objectives; Mindstorms (book)-home use


1524055   DATABASE: MI File 47
  Consumer. (technology update)
  Electronics   v55   p214(5)   Oct 20   1982
  CODEN: ELECA
  illustration; photograph
  SIC CODE: 3573; 3651
  DESCRIPTORS:     analog-to-digital   converters-technological
innovations; television-technological innovations; phonorecor-
ds-technological  innovations;     microcomputers-technological
innovations
  IDENTIFIERS:   video  discs  and  players-home use;  digital
recording-equipment and supplies
```

1523558 DATABASE: MI File 47
Personal home computers take off.
Design News v38 p28(2) Oct 11 1982
CODEN: DENBA
illustration; graph; graph
SIC CODE: 3573
CAPTIONS: Growth of selected consumer electronics products by installed base.; Changing segmentation of the home personal computer market by units sold.
DESCRIPTORS: microcomputers-marketing; computer industry-statistics

1523132 DATABASE: MI File 47
The coming shakeout in personal computers.
Business Week p72(6) Nov 22 1982
CODEN: BUWEA
illustration; photograph; table; chart
SIC CODE: 3573
CAPTIONS: Picking the winners in personal computers.; The top four in personal computers.
DESCRIPTORS: microcomputers-home use; Apple Computer Inc.-marketing; computer industry-forecasts; Commodore International Ltd.-marketing; Texas Instruments Inc.-marketing

1518719 DATABASE: MI File 47
Teaching microchips to draw: personal computer graphics.
Free, John
Popular Science v221 p104(3) Nov 1982
CODEN: POSCD
photograph
DESCRIPTORS: microcomputers-computer programs; computer programs-technological innovations; computer graphics-home use

1513901 DATABASE: MI File 47
Dial-up software networks. (information services)
Friedman, Herb
Radio-Electronics v53 p131(4) Oct 1982
CODEN: RESYA
SIC CODE: 8231
DESCRIPTORS: information services-purchasing; microcomputers-home use

1513899 DATABASE: MI File 47
Software for the home. (computer programs)
Friedman, Herb
Radio-Electronics v53 p122(5) Oct 1982
CODEN: RESYA
illustration; table
CAPTIONS: Independent home and family software suppliers.
DESCRIPTORS: computer programs-purchasing; microcomputers-home use

1513122 DATABASE: MI File 47
Computers: a new household word.
Gilbert, Rose Bennett
House Beautiful v124 p123(3) Oct 1982
CODEN: HOUBA
DESCRIPTORS: microcomputers-home use; minicomputers-home use

1511405 DATABASE: MI File 47
Ruling favors consumers in AT&T settlement. (Judge Harold Greene; antitrust)
Consumer Reports v47 p490(1) Oct 1982
CODEN: CONRA
SIC CODE: 9611; 9222
NAMED PEOPLE: Greene, Harold-cases
DESCRIPTORS: American Telephone and Telegraph Co.-cases; antitrust law-cases; consumer protection-cases; telecommunication systems-cases; United States. Department of Justice-evidence

1511117 DATABASE: MI File 47
Mixing luck and knowhow.
Business Week p118(3) Oct 18 1982
CODEN: BUWEA
illustration; photograph
SIC CODE: 3670; 4833
NAMED PEOPLE: Hickey, Frank G.-planning
DESCRIPTORS: General Instrument Corp.-management; electronic industries-management; cable television-electronic equipment; artificial satellites-home use; television broadcasting-technological innovations

1505256 DATABASE: MI File 47
Home banking moves off the drawing board.
Business Week p39(1) Sept 20 1982
CODEN: BUWEA
illustration; photograph
SIC CODE: 6000
DESCRIPTORS: banks and banking-technological innovations; electronic funds transfers-home use; Chemical Bank-testing; microcomputers-home use

1504155 DATABASE: MI File 47
A telephone for all people.
Peterson, Ivars
Science News v122 p168(1) Sept 11 1982
CODEN: SCNEB
SIC CODE: 3661; 4800
NAMED PEOPLE: Cannon, Thomas G.-technological innovations
DESCRIPTORS: telephone-design and construction; telecommunication-aids and devices; handicapped-communication systems; microprocessors-home use

1490089 DATABASE: MI File 47
Chat with the editor. (home computers) (editorial)
White, Marjorie
Changing Times v36 p5(1) Aug 1982
CODEN: CNGTA
ARTICLE TYPE: editorial
DESCRIPTORS: microcomputers-home use

1489691 DATABASE: MI File 47
What's playing at the Bijou? Who won the ball game? What's my bank balance? (videotext-teletext for home use)
Hickey, Neil
TV Guide v30 p26(4) July 31 1982
CODEN: TVGDAN
illustration; photograph
SIC CODE: 4899; 4899
DESCRIPTORS: television-technological innovations; subscription television-technological innovations; teletext (data transmission system)-home use
IDENTIFIERS: videotext-home use

1486088 DATABASE: MI File 47
New industrial revolution - compucations. (integration of communications and computers)
Lapierre, Al G.
Design News v38 p38(3) July 5 1982
CODEN: DENBA
illustration; photograph
SIC CODE: 3573; 4899
DESCRIPTORS: telecommunication-technological innovations; computers-technological innovations; microcomputers-home use; communication and traffic-technological innovations; corporations-communication systems

1481744 DATABASE: MI File 47
Home information systems: the privacy debate.
Westin, Alan F.
Datamation v28 p100(8) July 1982
CODEN: DTMNA
illustration
SIC CODE: 4899; 4833
DESCRIPTORS: information services-home use; teletext (data transmission system)-home use; Cable Television Privacy Act-aims and objectives; privacy, right of-law and legislation ; subscription television-home use
IDENTIFIERS: videotext-home use; video shopping-home use

1481316 DATABASE: MI File 47
Should you own a phone? (use our worksheet to decide if you can save)
Consumer Reports v47 p335(5) July 1982
CODEN: CONRA
illustration; photograph; table
SIC CODE: 9222; 9611
CAPTIONS: Owning vs. renting: how much can you save?
NAMED PEOPLE: Greene, Harold-cases; Wirth, Tim-commercial policy
DESCRIPTORS: telephone systems-purchasing; American Telephone and Telegraph Co.-cases; United States. Department of Justice-evidence; antitrust law-cases; consumer protection-cases; competition, unfair-law and legislation; telecommunication systems-law and legislation; Consumers Union of United States Inc.-testing

1480475 DATABASE: MI File 47
DBS people are talking money. (direct-broadcasting satellites)
Hindin, Harvey J.
Electronics v55 p92(2) June 30 1982
CODEN: ELECA
illustration
SIC CODE: 3662; 4899
DESCRIPTORS: artificial satellites in telecommunication-home use; earth stations (satellite telecommunication)-design and construction
IDENTIFIERS: direct broadcast satellite service-equipment and supplies

1480458 DATABASE: MI File 47
Home earth stations start to catch on.
Iversen, Wesley R.
Electronics v55 p50(2) June 30 1982
CODEN: ELECA
illustration; photograph
SIC CODE: 4899; 3662
DESCRIPTORS: earth stations (satellite telecommunication)-home use

1479807 DATABASE: MI File 47
A battle over Bell labs: legislation in Congress could change the way the labs work.
Dickson, David
Science v216 p1393(2) June 25 1982
CODEN: SCIEAS
illustration; portrait
SIC CODE: 4800
NAMED PEOPLE: Wirth, Timothy-attitudes
DESCRIPTORS: American Telephone and Telegraph Co.-planning; Bell Telephone Laboratories Inc.-law and legislation; telecommunication-law and legislation; United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection and Finance-membership

1477868 DATABASE: MI File 47
The wiring of America: the new information age. (Helen Copley speech) (transcript)
Vital Speeches v48 p535(4) June 15 1982
CODEN: VISPA
ARTICLE TYPE: transcript
SIC CODE: 2711
NAMED PEOPLE: Copley, Helen K.-addresses, essays, lectures
DESCRIPTORS: Copley Press Inc.-officials and employees; newspaper publishing-technological innovations; information storage and retrieval systems-home use
IDENTIFIERS: videotext-forecasts; information technology-forecasts

1476096 DATABASE: MI File 47
[redacted]
[redacted]
CODEN: PWEEA
illustration; photograph
Electronic publishing has yet to prove profitable for the innovative publishers making the first experiments in the field but successful applications seem not far off. A variety of publishing houses have electronic publishing projects in development. Publishers are not only looking at computer terminal-CRT applications but also at videodisc technology.
SIC CODE: 4899; 2831
DESCRIPTORS: publishers and publishing-technological innovations; data transmission systems-home use; Bureau of National Affairs-publishing; CRC Publishing-publishing; information storage and retrieval systems-home use; Houghton Mifflin Co.-automation; Random House Inc.-publishing; SFM Companies Inc.-publishing; Encyclopaedia Britannica Inc.-publishing; home video systems-usage
IDENTIFIERS: videotext-home use; video discs and players-home use

1472584 DATABASE: MI File 47
Making the computer work for your running.
Post, Marty
Runner's World v17 p47(4) June 1982
CODEN: RUWOD8
illustration; photograph; table
CAPTIONS: Getting a line on the personal computer: a guide for the running consumer.
DESCRIPTORS: running-computer programs; microcomputers-sports use

1472298 DATABASE: MI File 47
Video learning.
Perry, Robert L.
Mechanix Illustrated v78 p38(3) June 1982
CODEN: MNXIA
illustration
DESCRIPTORS: minicomputers-educational use; video games-educational use; computers-educational use; computer-assisted instruction-home use

1468687 DATABASE: MI File 47
Video games are suddenly a $2 billion industry.
Business Week p78(2) May 24 1982
CODEN: BUWEA
illustration; photograph
SIC CODE: 3670; 3944
NAMED PEOPLE: Kassar, Raymond E.-management
DESCRIPTORS: video games-marketing; electronic industries-marketing; Atari Inc.-market share; microcomputers-home use; toy industry-marketing

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1459681 DATABASE: MI File 47
Japan update. (Consumer Electronics Show)
Haas, Mark
Byte v7 p106(3) May 1982
CODEN: BYTEDJ
illustration; photograph
GEOGRAPHIC LOCATION: Japan
GEOGRAPHIC CODE: AEJA SIC CODE: 3573
DESCRIPTORS: computer industry-exhibitions; Japan-industries ; microcomputers-exhibitions; Consumer Electronics Show-1982

1458834 DATABASE: MI File 47
Home computers in your future.
Perry, Robert L.
Boy's Life v72 p33(9) May 1982
CODEN: BOYLA
illustration
DESCRIPTORS: computers-home use; microcomputers-home use

1452559 DATABASE: MI File 47
A new Illinois Bell in the age of information. (John Koten speech)
Vital Speeches v48 p368(4) April 1 1982
CODEN: VISPA
SIC CODE: 4800; 4800
NAMED PEOPLE: Koten, John A.-addresses, essays, lectures
DESCRIPTORS: Illinois Bell Telephone Co.-management; telecommunication-management; information storage and retrieval systems-home use
IDENTIFIERS: deregulation-telecommunication

1452392 DATABASE: MI File 47
Instant access: how to wire your home to the world. (home computer systems)
Metropolitan Home v14 p109(5) April 1982
illustration
DESCRIPTORS: minicomputers-home use; microcomputers-home use

1452085 DATABASE: MI File 47
Teleworking working closer to home.
Nilles, Jack
Technology Review v85 p56(7) April 1982
CODEN: TEREA
DESCRIPTORS: home labor-technological innovations; microcomputers-home use

1451368 DATABASE: MI File 47
OCLC takes position on telecommunications.
Wilson Library Bulletin v56 p571(1) April 1982
CODEN: WLBUA
DESCRIPTORS: OCLC Inc.-evidence; telecommunication policy-public opinion; United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection and Finance-investigations

1441048 DATABASE: MI File 47
Correspondence on Telecommunications Act revision. (Congressman with American Library Association representative) (letter)
Wirth, Timothy E.; Cooke, Eileen D.
Information Technology and Libraries v1 p55(9) March 1982
ARTICLE TYPE: letter
DESCRIPTORS: Communications Act of 1934-political aspects; telecommunication policy-law and legislation; information science-political aspects; A. L. A.-social policy; United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection and Finance-investigations; competition, unfair-law and legislation

1440833 DATABASE: MI File 47
Man and machine: making friends at last?
Wallich, Paul
SciQuest v55 p6(5) March 1982
CODEN: SCIQDX
illustration
DESCRIPTORS: microcomputers-home use; minicomputers-home use ; information storage and retrieval systems-home use

1439247 DATABASE: MI File 47
Computers at home.
Hedberg, Augustin
Money v11 p70(8) March 1982
CODEN: MNEYA
illustration; photograph
DESCRIPTORS: computers-home use; microcomputers-home use; minicomputers-home use; Apple II Plus (computer, small and mini)-home use; Radio Shack TRS-80 (computer, small and mini)-home use

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1438299   DATABASE: MI File 47
  A TV dish in every yard.
  Kluger, Jeffrey
  Science Digest   v90   pp76(2)   March   1982
  CODEN: SCDIBG
  illustration; photograph
  DESCRIPTORS: television-antennas; antennas (electronics)-ho-
me   use;   radar-antennas;   earth   stations   (satellite
telecommunication)-home use


1432336   DATABASE: MI File 47
  Computers and electronic individual services.
  Davis, Ruth M.
  Science   v215   p852(4)   Feb 12   1982
  CODEN: SCIEAS
  SIC CODE: 3573
  DESCRIPTORS:     microcomputers-growth    and    development;
computers-home use;   computer  programs-home  use;   computer
industry-marketing


1427889   DATABASE: MI File 47
  The  electronic homestead is coming.  (personal computers in
rural life)
  Sleeper, David
  Blair & Ketchum's Country Journal   v9   p76(6)   Feb   1982
  CODEN: BKCJDL
  illustration
  SIC CODE: 7374
  DESCRIPTORS:  computers-home use;  information  storage  and
retrieval    systems-rural    areas;     electronic     data
processing-forecasts; demography-forecasts


1426328   DATABASE: MI File 47
  Dialing up a wealth of information.
  Perry, Robert L.
  Mechanix Illustrated   v78   p56(3)   Feb   1982
  CODEN: MNXIA
  illustration
  SIC CODE: 8231; 3661
  DESCRIPTORS:    information   services-home  use;   computer
terminals-home  use;   telephone-technological   innovations;
CompuServe (information retrieval system)-home use; The Source
(information retrieval system)-home use; Dow Jones and Company
Inc.-services; microcomputers-home use


1425398   DATABASE: MI File 47
  Let electronic slaves do your bidding.
  Stanley, James
  Family Handyman   v32   p86(4)   Feb   1982
  CODEN: FAHAA
  illustration; photograph
  DESCRIPTORS: dwellings-electronic equipment; microprocessor-
s-home use;  electronic control-home use;  remote control-home
use; microcomputers-home use


1425093   DATABASE: MI File 47
  Tuning your TV to the satellites.
  Changing Times   v36   p21(3)   Feb   1982
  CODEN: CNGTA
  illustration
  SIC CODE: 4899
  DESCRIPTORS: artificial satellites in telecommunication-home
use; television-receivers and reception


1423780   DATABASE: MI File 47
  Does Ma Bell's breakup mean consumers will be paying through
the nose? (interview of Lee Richardson)
  Dubrow, Marsha
  People   v17   p35(2)   Jan 25   1982
  CODEN: PEWEDE
  illustration; photograph
  SIC CODE: 4800; 3661
  NAMED PEOPLE: Richardson, Lee-interviews
  DESCRIPTORS:  American  Telephone  and Telegraph Co.-cases;
telecommunication-cases; telephone-rates


1422930   DATABASE: MI File 47
  TV dancing in electronics wonderland:  winter ces show packs
Las Vegas.
  Gelman, Morrie
  Variety   v305   p61(2)   Jan 20   1982
  CODEN: VARIB
  SIC CODE: 7814
  DESCRIPTORS:   Winter   Consumer   Electronics   Show-1982;
television  industry-marketing;   cable  television-marketing;
subscription television-marketing
  IDENTIFIERS: video discs and players-marketing
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1421517 DATABASE: MI File 47
United States' markets.
Electronics v55 p121(16) Jan 13 1982
CODEN: ELECA
illustration; photograph; chart; table; table; table; table; table; table; table; table; table; table
As the United States struggles to lift itself from economic recession, the annual Electronics' Magazine market survey points to a 13.3% gain in equipment consumption in 1982. Forecast increases in various product categories include 16.9% higher sales in semiconductors, 10.4% increase in components, and 18% higher sales in data-processing equipment and office-automation systems. The second half of 1982 is predicted to bring a strong upturn after a relatively weak first half.
SIC CODE: 3670; 5065; 3661
CAPTIONS: Equipment consumption.; Semiconductors.; Components.; Data processing.; Test & measurement.; Medical and analytical.; Communications.; Consumer.; Industrial.; Production.; Federal.
DESCRIPTORS: electronic industries-forecasts; semiconductor industry-forecasts; telecommunication equipment industry-forecasts; United States economic conditions-forecasts

1419322 DATABASE: MI File 47
Housebreaking the software.
Cowen, Robert
Technology Review v85 p6(2) Jan 1982
CODEN: TEREA
illustration; portrait
SIC CODE: 3573
NAMED PEOPLE: Fylstra, Dan-management
DESCRIPTORS: computer programs-industries; minicomputers-home use; microcomputers-home use; Personal Software Inc.-management; computer industry-forecasts

1418851 DATABASE: MI File 47
You, too, before long, will want a home computer.
Makower, Joel
Washingtonian v17 p79(7) Jan 1982
CODEN: WSHND5
illustration; photograph
SIC CODE: 3573
DESCRIPTORS: minicomputers-home use; microcomputers-home use; computer industry-forecasts; computers-home use

1415764 DATABASE: MI File 47
'My husband's computer was my competition.'
Scott, Sylvia
Ladies Home Journal v99 p14(2) Jan 1982
CODEN: LAHJA
DESCRIPTORS: microcomputers-home use

1415275 DATABASE: MI File 47
An Apple talks with the deaf. (Apple computer)
Rhodes, Ned W.
Byte v7 p366(17) Jan 1982
CODEN: BYTEDJ
illustration; table
CAPTIONS: The Baudot code for TTY communications.
DESCRIPTORS: Phone-TTY Inc.-technological innovations; Apple (computer)-home use; microcomputers-technological innovations; computer interfaces-innovations; computer input-output equipment-innovations; programming (electronic computers)-problems, exercises, etc.; deaf-means of communication; communication devices for the disabled-computer programs

1415263 DATABASE: MI File 47
Build a joystick A-to-D converter for the TRS-80 Model I or III. (analog-to-digital computer converter) (part 2)
Barden, William, Jr.
Byte v7 p160(11) Jan 1982
CODEN: BYTEDJ
illustration; table; table; table; table
CAPTIONS: Parts list for the A-D circuit and joystick controller.; Wire-wrap list for the A-D circuit.; Ground connections are shown in table 3a. Table 3b gives the +5-V connections.; Values obtained from DAC test of author's prototype.
DESCRIPTORS: Radio Shack TRS-80 (computer)-input-output systems; analog-to-digital converters-design and construction; electric controllers-home use; integrated circuits-design and construction; microcomputers-innovations; computer interfaces-do-it-yourself

1415257 DATABASE: MI File 47
Analog interfacing in the real world. (computer control converters)
Ciarcia, Steve
Byte v7 p72(12) Jan 1982
CODEN: BYTEDJ
illustration; photograph
DESCRIPTORS: Analog Devices Inc.-technological innovations; microcomputers-usage; electronic circuits-design and construction; analog-to-digital converters-design and construction; digital-to-analog converters-design and construction; electric controllers-home use

1406167 DATABASE: MI File 47
A tsunami of personal computers. (editorial)
Dykeman, John B.
Modern Office Procedures v25 p10(1) Dec 1981
CODEN: MDOPA
illustration
ARTICLE TYPE: editorial
SIC CODE: 7372; 5943
DESCRIPTORS: microcomputers-home use; minicomputers-home use ; computer programs-home use

1404508 DATABASE: MI File 47
Household remote control. (evaluation)
Popular Electronics v19 p8(1) Dec 1981
CODEN: POELA
illustration; photograph
ARTICLE TYPE: evaluation
PRODUCT NAME(S): BSR X-10 (remote control accessory); BSR TR270 Telephone Responder-Controller (remote control accessory); BSR TR274 Telephone Transmitter (remote control accessory)
DESCRIPTORS: remote control-technological innovations; telecommunication systems-home use

1400018 DATABASE: MI File 47
Low-cost 12-GHz receiver heralds satellite-to-home TV.
Harrop, Peter; Lesartre, Paul; Tsironis, Christos
Electronics v54 p125(3) Nov 17 1981
CODEN: ELECA
illustration; photograph
SIC CODE: 4840; 3651
DESCRIPTORS: television-receivers and reception; artificial satellites in telecommunication-home use; Laboratoires d'Electronique et de Physique Applique-technological innovations; earth stations (satellite communication)-home use

1400001 DATABASE: MI File 47
The Wirth Report: new telecommunications battleground.
Connolly, Ray
Electronics v54 p52(1) Nov 17 1981
CODEN: ELECA
SIC CODE: 4800; 9121
NAMED PEOPLE: Wirth, Timothy E.-reports
DESCRIPTORS: Telecommunications in Transition: The Status of Competition in the Telecommunications Industry (report)-publishing; telecommunication-research; United States. Congress. House. Subcommittee on Telecommunications, Consumer Protection, and Finance-reports

1398477 DATABASE: MI File 47
Cable subscribers need a new consumer protection.
Pridgen, Dee
Nation's Cities Weekly v4 p10(1) Nov 9 1981
CODEN: NACIBA
Cities can use issuance or renewal of cable TV licenses as key tool to insure consumer protection for their citizens - this will also save cable costly federal regulations.
SIC CODE: 4899
DESCRIPTORS: cable television-licenses; subscription television-licenses; cities and towns-planning; 9310

1392431 DATABASE: MI File 47
A consumer's guide to personal computing and microcomputers. (book reviews)
Radio-Electronics v52 p99(1) Nov 1981
CODEN: RESYA
ARTICLE TYPE: review
GRADE: B
NAMED PEOPLE: Freiberger, Stephen; Chew, Paul, Jr.
DESCRIPTORS: books-reviews, etc.

1391483 DATABASE: MI File 47
Microsoft Softcard. (computer programs)
Pelczarski, Mark
Byte v6 p152(6) Nov 1981
CODEN: BYTEDJ
illustration; photograph; table; table
CAPTIONS: Comparison of the features available in Microsoft MBASIC 5.0.; List of the features and utilities of the CP-M operating system.
DESCRIPTORS: microcomputers-computer programs; computer programs-innovations; Apple II (computer)-computer programs; Microsoft Consumer Products-input-output systems

1387609 DATABASE: MI File 47
No annoying programs to interrupt their commercials. (video explorer, no. 1)
Polskin, Howard
TV Guide v29 p12(3) Oct 17 1981
CODEN: TVGDAN
illustration
DESCRIPTORS: The Shopping Channel (television program)-production and direction; cable television-innovations; television advertising-innovations; consumer education-television use

1383993 DATABASE: MI File 47
Your plug-in pal. (microcomputers)
Ferorelli, Enrico
Life v4 p53(5) Oct 1981
CODEN: LIFEAC
illustration; photograph
DESCRIPTORS: microcomputers-home use; microprocessors-innovations

1380481 DATABASE: MI File 47
DXing those TV satellites.
Popular Electronics v19 p49(3) Oct 1981
CODEN: POELA
illustration; photograph
SIC CODE: 4833
DESCRIPTORS: earth stations (satellite telecommunications)--home use; television broadcasting-technological innovations

1377970 DATABASE: MI File 47
Computer stores: tantalizing opportunity selling computers to consumers.
Business Week p76(6) Sept 28 1981
CODEN: BUWEA
illustration; chart
SIC CODE: 3573
CAPTIONS: The soaring market for personal computers.
DESCRIPTORS: computers-home use; computer industry-marketing ; retail trade-management
IDENTIFIERS: Minicomputers-marketing

1377267 DATABASE: MI File 47
Terminal man.
Wiswell, Phil
Playboy Guide to Electronic Entertainment v1 p86(3) Fall-Wint 1981
illustration; photograph
DESCRIPTORS: microcomputers-home use; microcomputers-home use

1373963 DATABASE: MI File 47
Earth stations: sky in the pie. (audience & market for communication satellites grows)
Cocks, Jay
Time v118 p70(1) Sept 7 1981
CODEN: TYMEA
illustration
SIC CODE: 4899
DESCRIPTORS: earth stations (satellite telecommunication)-home use; artificial satellites in telecommunication-home use

1369526 DATABASE: MI File 47
Join the computer community. (teletext)
Stine, G. Harry
Science Digest v89 p40(3) Sept 1981
CODEN: SCDIBG
illustration; photograph
DESCRIPTORS: data transmission systems-home use; computer networks-forecasts
IDENTIFIERS: teletext (data transmission system)-home use

1369077 DATABASE: MI File 47
Computers come home.
Ross, Irwin
Reader's Digest v119 p183(5) Sept 1981
CODEN: RDIGA
illustration; photograph
DESCRIPTORS: computers-home use; microcomputers-home use3-innovations; Tandy Corp.-marketing

1368715 DATABASE: MI File 47
The Apple II Plus personal computer system. (evaluation)
Warren, Carl
Popular Electronics v19 p39(3) Sept 1981
CODEN: POELA
illustration; photograph
ARTICLE TYPE: evaluation
PRODUCT NAME(S): Apple II Plus (computer)
DESCRIPTORS: computers-home use
IDENTIFIERS: Minicomputers-evaluation

1366526 DATABASE: MI File 47
Bird-watching: The future of satellite-to-home TV.
Kleiner, Lydia
American Film v6 p30(2) Sept 1981
CODEN: AMFID2
illustration
SIC CODE: 4899; 4899; 4833
DESCRIPTORS: artificial satellites in telecommunication-home use; television-receivers and reception; subscription television-technological innovations; television broadcasting--technological innovations

1365553 DATABASE: MI File 47
IBM elects to buy software outside.
Johnson, R. Colin
Electronics v54 p50(3) Aug 25 1981
CODEN: ELECA
SIC CODE: 3573; 7372
DESCRIPTORS: IBM Personal Computer (computer)-computer programs; computers-home use; International Business Machines Corp.-manufactures
IDENTIFIERS: Minicomputers-computer programs

1365473 DATABASE: MI File 47
IBM is homeward bound. (entry into personal computer market)
Taylor, Alexander L., III
Time v118 p54(2) Aug 24 1981
CODEN: TYMEA
illustration; table
CAPTIONS: Off the charts; number of personal computers sold in thousands.
NAMED PEOPLE: Opel, John Roberts-management
DESCRIPTORS: computers-home use; International Business Machines Corp.-marketing
IDENTIFIERS: Minicomputers-marketing

1365232 DATABASE: MI File 47
IBM joins the race in personal computers.
Business Week p38(1) Aug 24 1981
CODEN: BUWEA
SIC CODE: 3573
DESCRIPTORS: computer industry-marketing; International Business Machines Corp.-marketing; computers-home use
IDENTIFIERS: Minicomputers-marketing

1363629 DATABASE: MI File 47
Heaven in his own backyard. (Jim Potts)
Ames, William
Sports Illustrated v55 p58(2) Aug 10 1981
CODEN: SPILA
illustration; photograph
SIC CODE: 4899; 4899; 4833
NAMED PEOPLE: Potts, Jim-innovation
DESCRIPTORS: Downlink (television accessory)-home use; artificial satellites in telecommunication-ground station; subscription television-economic aspects; television broadcasting-planning; Communications Satellite Corp.-planning ; cable television-planning

1361786 DATABASE: MI File 47
The smart machines of tomorrow: implications for society.
Cornish, Blake M.
Futurist v15 p5(9) Aug 1981
CODEN: FUTUA
illustration; photograph; portrait
DESCRIPTORS: microprocessors-usage; microcomputers-home use; artificial intelligence-scientific applications; Automation-industrial applications; phonemics-computer programs; silicon-industrial applications; microelectronics-usage

1356849 DATABASE: MI File 47
A home computer in your future?.
Grunwald, Edgar A.
American Legion v111 p10(1) Aug 1981
CODEN: ALMGA
DESCRIPTORS: computers-home use; microcomputers-purchasing

1356344 DATABASE: MI File 47
Do-it-yourself dish antenna kit for TG.
Variety v303 p2(2) July 29 1981
CODEN: VARIB
SIC CODE: 3662; 4833
DESCRIPTORS: earth station (satellite telecommunication)-home use; Heath Co.-manufactures

1350919 DATABASE: MI File 47
Survey on consumer views of video.
American Libraries v12 p438(1) July-Aug 1981
CODEN: AMLRB
SIC CODE: 4899
DESCRIPTORS: cable television-surveys; video tape recorders and recording-surveys; Benton and Bowles Consumer Panel-surveys; videotext-surveys

1347997 DATABASE: MI File 47
The best is yet to come. (component television)
Berger, Myron
Modern Photography v45 pA6(3) July 1981
CODEN: MPHOA
illustration; photograph
SIC CODE: 4899
DESCRIPTORS: television-technological innovations; artificial satellites in telecommunication-home use; minicomputers-home use

1347725 DATABASE: MI File 47
The best is yet to come; component television promises to increase your home video viewing pleasure in a single quantum leap.
Berger, Myron
High Fidelity v31 pA6(3) July 1981
CODEN: HIFIA
illustration; photograph
SIC CODE: 4899
DESCRIPTORS: television-technological innovations; minicomputers-home use; artificial satellites in telecommunication-technological innovations; home video systems-technological innovations

1345810 DATABASE: MI File 47
Window on the world: the home information revolution.
Business Week p74(5) June 29 1981
CODEN: BUWEA
illustration; table
SIC CODE: 8231; 4800; 6000
CAPTIONS: The crowd going after the videotex markets.
DESCRIPTORS: data transmission systems-technological innovations; information services-home use; telecommunication--forecasts; newspapers-technological innovations; banks and banking-services
IDENTIFIERS: videotext-industries

1342126 DATABASE: MI File 47
From earth stations to DBS - new biz loves small companies.
Roth, Morry
Variety v303 p34(1) June 10 1981
CODEN: VARIB
SIC CODE: 4899
DESCRIPTORS: National Microtech-management; SPACE-presidents ; Downlink-presidents; earth stations (satellite telecommunication)-management; artificial satellites in telecommunication-home use
IDENTIFIERS: direct broadcast satellite service-management

1341023 DATABASE: MI File 47
How Japan's chip makers line up to compete.
Posa, John G.
Electronics v54 p113(20) June 2 1981
CODEN: ELECA
illustration; chart; portrait; table; table; table; graph; graph
GEOGRAPHIC LOCATION: Japan
Chip makers in Japan are all divisions of large electronic or telecommunication firms. Although the government has tried to promote coordination, the IC makers compete for their market share and emerge with individual strategies. Companies most concerned with computers and communications are Fujitsu, Hitachi, and Nippon Electric. Those emphasizing consumer products are Mitsubishi, Toshiba, Matsushita, Sharp, Sanyo, Sony, and Oki.
GEOGRAPHIC CODE: AEJA; AEJA; AEJA; AEJA SIC CODE: 3670; 3674; 3573
CAPTIONS: (Semiconductor sales by Japanese companies in 1981.); Insulated substrate technologies.; A rating of single-device dynamic memory cells.; A look at Toshiba's 8-K-by-8-bit static random access memories.; (Gate delay vs. complexity of Japanese gate arrays.); (Monthly shipments and selling price of Oki semiconductors.)
NAMED PEOPLE: Yamagishi, Kiichiro-portraits; Watanabe, Makoto-management; Horiba, Yasutaka; Fujimoto, K.-management; Sasaki, Tadashi-management; Aoki, Teruaki-management
DESCRIPTORS: electronic industries-Japan; semiconductor industry-Japan; computer industry-Japan; Japan-industries; Management

1338854 DATABASE: MI File 47
Personal computers in the office.
Segal, Hillel
Modern Office Procedures v26 p40(2) June 1981
CODEN: MDOPA
SIC CODE: 3573
DESCRIPTORS: computers-home use; executives-electronic equipment
IDENTIFIERS: Minicomputers-usage

1331242 DATABASE: MI File 47
AT & T versus cable: war of the wires. (hot competition for home delivery of information)
Sloan, Allan; Baker, Thomas
Forbes v127 p204(3) May 11 1981
CODEN: FORBA
illustration; photograph
DESCRIPTORS: American Telephone and Telegraph Co.-planning; cable television-planning; telephone cables-technological innovations; information networks-home use

1330274 DATABASE: MI File 47
Commuting by computer. (working at home via computers)
Newsweek v97 p58(2) May 4 1981
CODEN: NSWKA
illustration; photograph
SIC CODE: 7392
NAMED PEOPLE: Howard, Terrence-employment; Kelly, Pat-employment
DESCRIPTORS: telecommunications-home use; home labor-technological innovations; computers-home use; personnel management-innovations

1330065 DATABASE: MI File 47
Videotex system pictures services.
Design News v37 p37(2) May 4 1981
CODEN: DENBA
SIC CODE: 3573; 3672
DESCRIPTORS: subscription television-services; telecommunication-communication systems; information storage and retrieval systems-services; computers-home use; Prestel International-services
IDENTIFIERS: videotext-services

1320860 DATABASE: MI File 47
Personal computers: versatility plus. (special advertising section)
Electronics v54 p1116(2) April 21 1981
CODEN: ELECA
illustration; photograph
34% of electrical engineers own or work with personal computers.
NAMED PEOPLE: Zollner, Maurice-management
DESCRIPTORS: minicomputers-usage; electric engineers-aids and devices; computers-home use
IDENTIFIERS: Minicomputers-usage

1320840 DATABASE: MI File 47
Personal computers: working hard at home. (special advertising section)
Electronics v54 p145(3) April 21 1981
CODEN: ELECA
illustration; photograph
Variety of home applications of personal computers for under $2000.
DESCRIPTORS: minicomputers-home use
IDENTIFIERS: Minicomputers-usage

1320837 DATABASE: MI File 47
Personal computers: the software situation. (special advertising section)
Electronics v54 p126(2) April 21 1981
CODEN: ELECA
Basic most popular of four principal languages used to program personal computers.
DESCRIPTORS: minicomputers-computer programs; BASIC (computer program language)-usage; programming (electronic computers)-technological innovations; computers-home use
IDENTIFIERS: Minicomputers-computer programs

1320836 DATABASE: MI File 47
Personal computers: a brief history. (special advertising section)
Electronics v54 p120(4) April 21 1981
CODEN: ELECA
illustration; photograph
Personal computer business explosion since 1977 based on few major companies and many support firms.
DESCRIPTORS: minicomputers-history; computers-home use
IDENTIFIERS: Minicomputers-history

1309447 DATABASE: MI File 47
Casio woos public with novel products. (personal computer, musical instrument, language translator)
Neff, Robert
Electronics v54 p82(2) March 24 1981
CODEN: ELECA
illustration; photograph
DESCRIPTORS: Casio Computer Corp.-manufactures; computers-home use; musical instruments, electronic-technological innovations; translating machines-technological innovations
IDENTIFIERS: Minicomputers-design and construction

1308094 DATABASE: MI File 47
Watch that book! (Electronics and publishing, part 1)
Dahlin, Robert
Publishers Weekly v219 p24(6) March 20 1981
CODEN: PWEEA
illustration; photograph
SIC CODE: 2700; 4899
DESCRIPTORS: publishers and publishing-technological innovations; computers-home use; television programs-innovations; subscription television-innovations; The Source (information retrieval system)-usage; information storage and retrieval systems-home use
IDENTIFIERS: Minicomputers-usage; teletext (data transmission system)-home use; videotext-home use

1303976 DATABASE: MI File 47
A consumer's guide to personal computing and microcomputers. (book reviews)
Mount, Ellis; Crockett, Edith S.
Library Journal v106 p519(1) March 1 1981
CODEN: LIBJA
ARTICLE TYPE: review
GRADE: B
NAMED PEOPLE: Freiberger, Stephen; Chew, Paul, Jr.
DESCRIPTORS: books-reviews, etc.

1288262 DATABASE: MI File 47
Are you a signal-napper?
Tynan, William
Modern Photography v45 pA2(2) Feb 1981
CODEN: MPHOA
illustration; photograph
SIC CODE: 4899; 4899; 9631
DESCRIPTORS: subscription television-law and legislation; artificial satellites in telecommunication-law and legislation ; antennas (electronics)-home use; television-antennas; United States. Federal Communications Commission-rules and regulations

1285380 DATABASE: MI File 47
The potential for telecommuting. (working at home on computer) (column)
Business Week p94(2) Jan 26 1981
CODEN: BUWEA
illustration; photograph
ARTICLE TYPE: column
DESCRIPTORS: home labor-innovations; data transmission systems-home use; telecommunication systems-home use; work environment-experiments

1279543 DATABASE: MI File 47
Data-display TV links your home with huge info banks.
Renner-Smith, Susan
Popular Science v218 p72(4) Jan 1981
CODEN: POSCD
illustration; photograph
DESCRIPTORS: cable television-technological innovations; television programs-innovations; information networks-home use
IDENTIFIERS: videotext-technological innovations; teletext (data transmission system)-technological innovations

1277162 DATABASE: MI File 47
Computers: at the crossroads & beyond.
Perry, Robert L.
Mechanix Illustrated v77 p62(3) Jan 1981
CODEN: MNXIA
illustration
NAMED PEOPLE: Jobs, Steve-interviews; Boylan, Howard-interviews; Admas, Scott-interviews
DESCRIPTORS: computers-home use; microcomputers-home use; electronic toys-technological innovations; teaching machines-technological innovations

1272594 DATABASE: MI File 47
Help personal computers help the handicapped.
Lyman, Jerry
Electronics v53 p116(1) Dec 18 1980
CODEN: ELECA
DESCRIPTORS: computers-home use; self-help devices for the disabled-electronic equipment; Johns Hopkins University. Applied Physics Laboratory-research
IDENTIFIERS: Minicomputers-technological innovations

1272576 DATABASE: MI File 47
8048-based chips zero in on specific consumer markets.
Gosch, John
Electronics v53 p61(2) Dec 18 1980
CODEN: ELECA
illustration
GEOGRAPHIC CODE: EWGW; EWGW SIC CODE: 3670
DESCRIPTORS: Siemens AG-technological innovations; microcomputers-television use; automobiles-electronic equipment; electronic industries-Germany, West; Germany, West-industries

1261019 DATABASE: MI File 47
The electronic newspaper hits home.
Rogal, James C.
Sales and Marketing Management v125 p41(4) Nov 17 1980
CODEN: SMMAD
illustration; portrait; photograph
NAMED PEOPLE: Gaspar, Andrew-quotations; Gollin, Albert A.-quotations; Goldstrom, Mort-quotations; Carlisle, David M.-quotations; Rockhind, Lawrence-quotations; Fuller, Keith-quotations
DESCRIPTORS: television programs-innovations; computers-home use; CompuServe-innovations; television advertising-innovations; Viewdata Corp.-innovations; Knight-Ridder Newspapers Inc.-services; Infomart-innovations; American Telephone and Telegraph Co.-innovations; advertising-innovations; marketing-innovations
IDENTIFIERS: teletext (data transmission system)-innovations

1241885 DATABASE: MI File 47
Use your TRS-80 as a timer or alarm clock.
Berenbon, Howard
Popular Electronics v18 p72(2) Oct 1980
CODEN: POELA
illustration
DESCRIPTORS: microcomputers-home use; automatic timers-design and construction; clocks and watches-design and construction

1240292 DATABASE: MI File 47
The cable revolution.
Consumers' Research Magazine v63 p11(3) Oct 1980
CODEN: CBBPBE
illustration; photograph; table
SIC CODE: 4833; 4899
DESCRIPTORS: cable television-home use; television-transmitters and transmission; television broadcasting-innovations; subscription television-home use

1239578 DATABASE: MI File 47
The Viewdata experience.
Ferrarini, Elizabeth M.
Administrative Management v41 p20(5) Oct 1980
CODEN: ADMAA
illustration; photograph
DESCRIPTORS: information storage and retrieval systems-home use; computers-technological innovations
IDENTIFIERS: Minicomputers-technological innovations

1215145 DATABASE: MI File 47
Personal computer: Japan's next plum?
Cohen, Charles
Electronics v53 p85(2) July 17 1980
CODEN: ELECA
illustration; photograph
GEOGRAPHIC CODE: AEJA; AEJA SIC CODE: 3573
DESCRIPTORS: computers-home use; computer industry-Japan; Japan-industries
IDENTIFIERS: Minicomputers-export-import problems

1212235 DATABASE: MI File 47
Videotext projections.
American Libraries v11 p455(1) July-Aug 1980
CODEN: AMLRB
DESCRIPTORS: International Resource Development Inc.-forecasts; computer input-output equipment-home use

1206026 DATABASE: MI File 47
The many uses of the 'personal' computer. (column)
Dunn, Donald H.
Business Week p125(2) June 23 1980
CODEN: BUWEA
ARTICLE TYPE: column
DESCRIPTORS: computers-home use; microcomputers-home use
IDENTIFIERS: Minicomputers-usage

1198513 DATABASE: MI File 47
Time-sharing systems. (use with personal computers)
Warren, Carl
Popular Electronics v17 p39(2) June 1980
CODEN: POELA
illustration; photograph
DESCRIPTORS: time-sharing computer systems-home use; computers-home use
IDENTIFIERS: Minicomputers-home use

1195780 DATABASE: MI File 47
Seek boost in bite on cable systems tied to consumer price index.
Variety v299 p1(2) May 28 1980
CODEN: VARIB
SIC CODE: 4899
DESCRIPTORS: cable television-economic aspects; copyright-royalties; subscription television-economic aspects; American Broadcasting Companies Inc.-economic aspects

1195354 DATABASE: MI File 47
Microcomputers make living easier.
Design News v36 p41(2) May 26 1980
CODEN: DENBA
DESCRIPTORS: microcomputers-home use; computers-home use

1188792 DATABASE: MI File 47
Home video terminals to emerge in '80s.
School Library Journal v26 p9(2) May 1980
CODEN: SCLJB
SIC CODE: 4800
DESCRIPTORS: television-receivers and reception; International Resource Development Inc.-reports; telecommunication-home use

1180129 DATABASE: MI File 47
NAB playing Las Vegas the hard way.
Harris, Paul
Variety v298 p37(1) April 9 1980
CODEN: VARIB
SIC CODE: 4899
DESCRIPTORS: National Association of Broadcasters-meetings; television industry-meetings; artificial satellites in telecommunication-home use

1150447 DATABASE: MI File 47
A computer-controlled light dimmer. (part 2: implementation)
Gibson, John H.
Byte v5 p72(6) Feb 1980
CODEN: BYTEDJ
illustration
DESCRIPTORS: lighting, architectural and decorative-automatic control; microcomputers-home use

1144555 DATABASE: MI File 47
Television. (home satellite receiving equipment)
Delson, James
Omni v2 p24(2) Jan 1980
illustration; photograph
SIC CODE: 4899
DESCRIPTORS: artificial satellites in telecommunication-home use; television-equipment and supplies

1140189 DATABASE: MI File 47
Capricorn follows coconut. (personal computers)
Musgrave, Bill
Datamation v26 p88(3) Jan 1980
CODEN: DTMNA
illustration; photograph
DESCRIPTORS: calculating machines-home use; Coconut (computer)-home use; Capricorn (computer)-home use; Hewlett-Packard Co.-technological innovations

1121280 DATABASE: MI File 47
With plug-in programs, anybody can use these personal computers. (comparison)
Hawkins, William J.
Popular Science v215 p98(4) Nov 1979
CODEN: POSCD
illustration
ARTICLE TYPE: evaluation
PRODUCT NAME(S): APF imagination (computer, small and mini); Atari 800 (computer, small and mini); Atari 400 (computer, small and mini); EACA video genie (computer, small and mini); RCA VIP II (computer, small and mini); Texas Instruments TI-99-(computer, small and mini)
DESCRIPTORS: computers-home use
IDENTIFIERS: Minicomputers-evaluation

1108601 DATABASE: MI File 47
The personal computer: every home should have one.
McCartney, Laton
Town and Country v133 p82(4) Oct 1979
CODEN: TOWCAH
illustration
DESCRIPTORS: computers-home use; minicomputers-home use
IDENTIFIERS: Minicomputers-home use

1107480 DATABASE: MI File 47
The microcomputer: an evolving revolution in consumer electronics.
Van Tassel, James T.
Popular Electronics v16 p44(6) Oct 1979
CODEN: POELA
illustration
DESCRIPTORS: microcomputers-history; minicomputers-history

1099446 DATABASE: MI File 47
The media is the messenger.
Saturday Review v6 p6(1) Sept 1 1979
CODEN: SAREA
illustration
SIC CODE: 3573
DESCRIPTORS: computer industry-technological innovations; GTE Viewdata (computer)-home use; General Telephone and Electronics Corp.-technological innovations

1083253 DATABASE: MI File 47
Microcomputers to run test house.
Waller, Larry
Electronics v52 p92(2) July 19 1979
CODEN: ELECA
illustration
DESCRIPTORS: microcomputers-home use; Motorola Inc.-research ; dwellings-technological innovations; computers-home use

1073658 DATABASE: MI File 47
Personal computer networks.
Kleiner, Art; Davis, Willy
CoEvolution Quarterly v22 p114(5) Summ 1979
illustration
DESCRIPTORS: cable television-technological innovations; telecommunication systems-home use
IDENTIFIERS: Qube-analysis

1073487 DATABASE: MI File 47
There's life after TI. (personal computers)
Marion, Larry
Electronics v52 p93(2) June 21 1979
CODEN: ELECA
DESCRIPTORS: Texas Instruments Inc.-manufactures; computers-home use

1060424 DATABASE: MI File 47
A computer of one's own.
Potter, Ned
New York V12 p59(3) May 7 1979
CODEN: NYORA
DESCRIPTORS: computers-home use; electronic apparatus and appliances-home use; budgets, personal-computer programs; microcomputers-home use; International Business Machines Corp.-technological innovations

1052504 DATABASE: MI File 47
Personal computer aims at households with extensive hardware, software choices.
Erikson, Arthur
Electronics v52 p68(2) April 26 1979
CODEN: ELECA
DESCRIPTORS: computers-home use; microcomputers-home use

1052032 DATABASE: MI File 47
Personal computers become the tool of the average man.
Stefanides, E.J.
Design News v35 p42(5) April 23 1979
CODEN: DENBA
illustration
DESCRIPTORS: computers-home use

1048180 DATABASE: MI File 47
Every home needs a pay phone?
Consumer News v9 p1(2) April 1 1979
CODEN: CSNWA
SIC CODE: 3661
NAMED PEOPLE: Richardson, Lee-addresses, essays, lectures
DESCRIPTORS: telephone-rates; Telecommunications Industry Workshop-aims and objectives; United States. Office of Consumer Affairs-meetings

1047905 DATABASE: MI File 47
The microelectronic revolution. (chips change our lives)
Roland, Jon
Futurist v13 p81(10 April 1979
CODEN: FUTUA
illustration
DESCRIPTORS: microprocessors-social aspects; minicomputers--home use; miniature electronic equipment-social aspects; computers-home use; computers-automobile industry; telecommunication systems-social aspects; computers and civilization-social aspects; guidance systems (flight)-technological innovations; electronic toys-technological innovations

1044926 DATABASE: MI File 47
Atari steps in. (two new personal computers)
Solomon, Leslie
Popular Electronics v15 p87(2) April 1979
CODEN: POELA
illustration
DESCRIPTORS: computers-home use; Atari Inc.-technological innovations

1042033 DATABASE: MI File 47
Computer homes of 1990s a threat to news industry.
Variety v294 p2(2) March 28 1979
CODEN: VARIB
SIC CODE: 2711; 7351
DESCRIPTORS: computers-home use; Arthur D. Little, Inc.-research; telecommunication systems-forecasts; newspaper publishing-forecasts; news agencies-forecasts; broadcast journalism-forecasts; information display systems-forecasts

1036815 DATABASE: MI File 47
Consumer's guide to personal computing and microcomputers. (book reviews)
Library Journal v104 p545(1) March 1 1979
CODEN: LIBJA
ARTICLE TYPE: review
GRADE: B
NAMED PEOPLE: Freiberger, Stephen; Chew, Paul
DESCRIPTORS: books-reviews, etc.

1036340 DATABASE: MI File 47
Computers for the consumer. (microcomputer retailer)
Black Enterprise v9 p25(1) March 1979
CODEN: BLENDG
ARTICLE TYPE: biography
por
SIC CODE: 3573
NAMED PEOPLE: Love, Preston-economic policy
DESCRIPTORS: Afro-American businessmen-economic policy; Datamart-manufactures; computer industry-economic aspects

1033491 DATABASE: MI File 47
Introduction to personal computers.
Mazer, Jeffrey G.
Radio-Electronics v50 p48(5) March 1979
CODEN: RESYA
illustration
DESCRIPTORS: computers-home use; microcomputers-home use

1028153 DATABASE: MI File 47
Personal computing: new market for publishers.
Doebler, Paul
Publishers Weekly v215 p74(2) Feb 5 1979
CODEN: PWEEA
illustration
SIC CODE: 2700
DESCRIPTORS: computers-home use; publishers and publishing-computer programs; programmed instruction-computer programs; computer-assisted instruction-home use; Program Design, Inc .-computer programs

1019855 DATABASE: MI File 47
More on consumer telephone workshop. (regulating industry)
Consumer News v9 p2(1) Jan 15 1979
CODEN: CSNWA
SIC CODE: 4800; 3661
DESCRIPTORS: telecommunication-rules and regulations; consumer education-communication systems; telephone-rules and regulations

1007988 DATABASE: MI File 47
Consumers speak on cue, on 'Qube.'
Hecht, Annabel
FDA Consumer v12 p21(3) Dec-Jan 1978
CODEN: FDACBH
illustration
DESCRIPTORS: cable television-public opinion
IDENTIFIERS: Qube-public opinion

0995260 DATABASE: MI File 47
What is a personal computer?
Consumer Guide v210 p4(16) Nov 1978
DESCRIPTORS: computers-home use; microprocessors-home use

0988948 DATABASE: MI File 47
Cheap labor: the personal computer.
Berger, Reva
Working Woman v3 p60(2) Oct 1978
CODEN: WOWOD
DESCRIPTORS: computers-home use

0977212 DATABASE: MI File 47
For your home computer: pro-level disc and printer.
Hawkins, William J.
Popular Science v213 p76(3) Sept 1978
CODEN: POSCD
illustration
DESCRIPTORS: computers-home use; microcomputers-home use

0952634 DATABASE: MI File 47
Personal computers: are they right for you?
Barden, William, Jr.
Radio-Electronics v49 p38(6) June 1978
illustration
DESCRIPTORS: computers-home use

0928493 DATABASE: MI File 47
Interfacing the Sykes OEM floppy disk kit to a personal computer.
Hughes, Phil
Byte v3 p178(7) March 1978
DESCRIPTORS: computers-home use
IDENTIFIERS: floppy disks-home use

0921890 DATABASE: MI File 47
Personal computers in a distributed communications network.
Steinwedel, Jeff; S
Byte v3 p80(8) Feb 1978
DESCRIPTORS: telecommunication systems-home use; information networks-home use

0921884 DATABASE: MI File 47
A design for a network of community information exchanges part 1: the beginnings.
Wilber, Mike; S
Byte v3 p14(7) Feb 1978
DESCRIPTORS: telecommunication systems-home use; information networks-home use

0919663 DATABASE: MI File 47
Personal-computer makers clash over best route to home.
Electronics v51 p46(1) Jan 19 1978
CODEN: ELECA
DESCRIPTORS: computers-home use

0896140 DATABASE: MI File 47
Analyze your car's gas economy with your computer.
Bauerschub, John P.
Byte v2 p166(2) Oct 1977
DESCRIPTORS: automobiles-fuel; microcomputers-home use

0891732 DATABASE: MI File 47
Microelectronics and the personal computer.
Kay, Alan C.
Scientific American v237 p230(12) Sept 1977
CODEN: SLAMA
illustration
DESCRIPTORS: microelectronics-home use

0890867 DATABASE: MI File 47
Personal computer network.
Byte v2 p59(2) Sept 1977
DESCRIPTORS: microcomputers-home use

0882938 DATABASE: MI File 47
Europeans discover the old kit bag. (personal computer shops)
Erikson, Arthur
Electronics v50 p70(2) July 7 1977
CODEN: ELECA
DESCRIPTORS: computers-home use; electronic apparatus and appliances-home use

0870541 DATABASE: MI File 47
Surveying the field. (personal computers) (editorial)
Helmers, Carl
Byte v2 p6(4) May 1977
CODEN: BYTEDJ
illustration; table
ARTICLE TYPE: editorial
DESCRIPTORS: computers-home use
IDENTIFIERS: Minicomputers-usage

SOCIAL SCISEARCH DATABASE

SOCIAL SCISEARCH is a multidisciplinary database indexing every significant item from 1,000 major social sciences journals throughout the world and social sciences articles selected from 2,200 additional journals in the natural, physical, and biomedical sciences. Every area of the social and behavioral sciences is covered. Author's cited references are also included in the records.

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[redacted] V33, N1, P162-173, 1983
NYU,TISCH SCH ARTS,PROGRAM INTERACT TELECOMMUN/NEW YORK//NY/10003

1568256 ARTICLE OATS ORDER#: QG814 2 REFS
TELETEXT - A NEW TELEVISION SERVICE FOR HOME INFORMATION AND CAPTIONING (EN)
BLATT J
VOLTA REVIEW , V84, N4, P209-217, 1982
WGBH TV/BOSTON//MA/

1567044 ARTICLE OATS ORDER#: QD021 4 REFS
[redacted] , V59, N4, P588, 1982
TEXAS CHRISTIAN UNIV,DEPT JOURNALISM/FT WORTH//TX/76129; RMH RES INC/FAIR LAWN//NJ/

1539872 ARTICLE OATS ORDER#: PN721 2 REFS
CONSUMER ELECTRONICS - AMERICANIZING VIDEOTEX (EN)
TRUXAL C
IEEE SPECTRUM , V19, N11, P52-56, 1982

1521305 LETTER OATS ORDER#: PG260 0 REFS
THE MICROCOMPUTER OR HOME COMPUTER AS A POSTGRADUATE TEACHING AID - REPLY (EN)
LAGRANGE
SOUTH AFRICAN MEDICAL JOURNAL , V62, N12, P389-389, 1982

1521304 LETTER OATS ORDER#: PG260 1 REFS
THE MICROCOMPUTER OR HOME COMPUTER AS A POSTGRADUATE TEACHING AID (EN)
DAY B
SOUTH AFRICAN MEDICAL JOURNAL , V62, N12, P389-389, 1982
COMP SOC S AFRICA,COMP MED SPECIAL INTEREST GRP/JOHANNESBURG//SOUTH AFRICA/

1518430 ARTICLE OATS ORDER#: PE527 4 REFS
THE ANATOMY OF A PRESCHOOL LEARNING-AID UTILIZING A 4 BIT MICRO-COMPUTER IN A SYNTHETIC SPEECH ENVIRONMENT (EN)
OLSON AJ
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS , V28, N3, P 271-277, 1982
TEXAS INSTRUMENTS INC,CONSUMER PROD CORP/LUBBOCK//TX/79408

1474041 ARTICLE OATS ORDER#: NK812 129 REFS
ADVERTISING AND MARKETING ON CABLE-TELEVISION - WHITHER THE PUBLIC-INTEREST (EN)
PRIDGEN D; ENGEL E
CATHOLIC UNIVERSITY LAW REVIEW , V31, N2, P227-271, 1982
FED TRADE COMMISS,BUR CONSUMER PROTECT,DIV ADVERTISING PRACTICE/WASHINGTON//DC/20580

1466509 ARTICLE OATS ORDER#: NH440 3 REFS
THE MICROCOMPUTER OR HOME-COMPUTER AS A TEACHING AID IN POSTGRADUATE MEDICAL STUDY (EN)
LAGRANGE PDP; COUPER DJ
SOUTH AFRICAN MEDICAL JOURNAL , V61, N13, P485-487, 1982
MED UNIV SO AFRICA,DEPT ANAESTHESIA/PRETORIA 0204//SOUTH AFRICA/; UNIV S AFRICA,DEPT STAT & OPERAT RES/PRETORIA//SOUTH AFRICA/

140

1389739 EDITORIAL OATS ORDER#: MQ359 2 REFS
HOME INFORMATION DELIVERY VIA VIDEOTEX - WILL THE SYSTEMS MEET USER NEEDS (EN)
BORGMAN CL; TYDEMAN J; BLOOM L; ELTON M; PAISLEY WJ; HARNISH TD; MURATA T
PROCEEDINGS OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE , V18, P390-391, 1981
STANFORD UNIV,INST COMMUN RES/STANFORD//CA/94305; INST FUTURE/MENLO PK//CA/94025; NATL TELECOMMUN & INFORMAT ADM,INS TELECOMMUN SCI/BOULDER//CO/; NYU,PROGRAM INTERACT TELECOMMUN/-NEW YORK//NY/10003; ONLINE COMP LIB CTR INC,DEPT RES/DUBLIN//OH/

1363537 BOOK REV OATS ORDER#: ME384 1 REFS
VIDEOTEXT - THE COMING REVOLUTION IN HOME-OFFICE INFORMATION-RETRIEVAL - SIGEL,E (EN)
PRINCE P
JOURNALISM QUARTERLY , V58, N2, P317-318, 1981
KANSAS STATE UNIV AGR & APPL SCI/MANHATTAN//KS/66506

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1360786  ARTICLE  OATS ORDER#: MC125  2 REFS
  HOME VIDEOTEX SERVICES - SOME LEGAL ISSUES  (EN)
  SALZMAN LP
  CANADIAN JOURNAL OF INFORMATION SCIENCE , V6,  JUN,  P15-23,
1981
  MCCARTHY   &   MCCARTHY,CTR   TD,POB   48/TORONTO   M5K
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1320079  BOOK REV  OATS ORDER#: LJ940  1 REFS
  VIDEOTEXT  -  THE  COMING  REVOLUTION  IN  HOME-OFFICE
INFORMATION-RETRIEVAL - SIGEL,E  (EN)
  ROSENFELD H
  DATAMATION , V27, N3, P248, 1981


1300830  ARTICLE  OATS ORDER#: KX152  0 REFS
  CONSUMER ELECTRONICS .2. PERSONAL COMPUTERS  (EN)
  MOKHOFF N
  IEEE SPECTRUM , V18, N1, P80-80, 1981


1158790  BOOK REV  OATS ORDER#: KZ176  1 REFS
  VIDEOTEXT  -  THE  COMING  REVOLUTION  IN  HOME-OFFICE
INFORMATION-RETRIEVAL  -  SIGEL,E,  ROIZEN,J,  MCINTYRE,C,
WILKINSON,M  (EN)
  MILLER R
  JOURNAL OF LIBRARY AUTOMATION , V13, N4, P288-288, 1980
  MEMPHIS SHELBY CTY PUBL LIB & INFORMAT CTR/MEMPHIS//TN/


1130013  BOOK REV  OATS ORDER#: KM742  1 REFS
  VIDEOTEXT  -  THE  COMING  REVOLUTION  IN  HOME-OFFICE
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WILKINSON,M  (EN)
  BOAZ M
  SPECIAL LIBRARIES , V71, N9, P467-467, 1980
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1105179 [redacted] OATS ORDER#: KC330  1 REFS
  VIDEOTEXT  -  THE  COMING  REVOLUTION  IN  HOME-OFFICE
INFORMATION-RETRIEVAL - SIGEL,E  (EN)
  WALCH DB
  COLLEGE & RESEARCH LIBRARIES , V41, N4, P381-382, 1980
  SUNY COLL BUFFALO/BUFFALO//NY/14222


961193  ARTICLE  OATS ORDER#: HF649  0 REFS
  TELEVISION  RECEIVER  DESIGN  ASPECTS FOR EMPLOYING TELETEXT
LSI  (EN)
  SUZUKI T; OKADA Y; YONETA H; JONES R
  IEEE TRANSACTIONS ON CONSUMER ELECTRONICS ,  V25,  N3,  P
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  SONY CORP,DIV CONSUMER TV,SHINAGAWA KU/TOKYO 141//JAPAN/


928913  ARTICLE  OATS ORDER#: GT226  0 REFS
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  BROECKER B
  JOURNAL OF REHABILITATION OF THE DEAF ,  V12,  N4,  P97-99,
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  DEAF COMMUN COLL PHILADELPHIA,COMMUN SERV/PHILADELPHIA//PA/


775898  EDITORIAL  OATS ORDER#: DV636  5 REFS
  VIEWDATA  AND  SCITEL  BRING INTERACTIVE INFORMATION-SYSTEMS
INTO HOME  (EN)
  GARFIELD E
  CURRENT CONTENTS, V1977, N41, P5-10, 1977
  INST SCI INFORMAT/PHILADELPHIA//PA/19106


742514  ARTICLE  OATS ORDER#: DJ315  7 REFS
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  CAWKELL AE
  ON-LINE REV, V1, N1, P31-38, 1977
  INST SCI INFORMAT/UXBRIDGE UB8 1DP/MIDDLESEX/ENGLAND/


038364  ARTICLE  OATS ORDER#: ED364  0 REFS
  PERSONAL COMPUTERS IN HOME AND BUSINESS APPLICATIONS  (EN)
  MULLER D
  COMPUTERS AND PEOPLE, V26, N12, P11, 1977
  PERTEC COMP CORP/LOS ANGELES//CA/90066
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MICROCOMPUTER INDEX DATABASE

The MICROCOMPUTER INDEX is a subject and abstract guide to magazine articles from over 21 microcomputer journals. Included are general articles about the microcomputer world, book reviews, software reviews, discussions of applications in various milieu, descriptions of new microcomputer products, and more. Publications indexed include Byte, Interface Age, InfoWorld, Personal Computing, Softside, Dr. Dobb's Journal, etc. Each record includes a short abstract and complete bibliographic information plus assigned descriptors. MICROCOMPUTER INDEX corresponds to the printed work of the same name.

039825 8238129
Choosing a 1200-baud modem: hardware checklist
Hart, Richard
InfoWorld, Sep 27 1982, v4 n38 p68+, 2 pages ISSN: 0199-6649
Languages: English
Document Type: Article
Geographic Location: United States
Presents a checklist of information of things to consider when selecting a 1200 baud modem for computer telecommunications. Covers: modem, terminal, baud, full feature, auto dial, auto answer, self test, memory, triple modem and more.
Descriptors: *Modem; *Consumer Information

039503 8235377
Breaking out of the payroll bind
Coudal, Edgar
Personal Computing, Sep 1982, v6 n9 p117-122, 5 pages ISSN: 0192-5490
Languages: English
Document Type: Article
Geographic Location: United States
Discusses how payroll programs can be used in small businesses to deliver checks on time and eliminate paperwork. Describes payroll programs being used in: a bank, nursing home, a civil engineering firm and a construction company.
Descriptors: *Payroll
Identifiers: Appl Pay; Computer Products International; Solid State Thinking; Omni Software Systems; BPI Payroll; Lear Data, Inc.

038905 8231033
Choosing a modem: part II
Day, Michael
Compute!, Aug 1982, v4 n8 p114-115, 2 pages ISSN: 0194-357X
Languages: English
Document Type: Article
Geographic Location: United States
Part 2 of this series on modems and telecommunications discusses the following types of modems: 103, 202 and 212A. Notes that the 103 is the most popular while the 212A allows data transmission at 1200 baud. Mentions the Racal Vadic 3400.
Descriptors: *Telecommunications; *Modem; *Consumer Information

038813 8230177
Data base bunko artist: UPS probing alleged scam on CompuServe
Mello, John
80 Microcomputing, Aug 1982, n31 p308, 1 page ISSN: 0199-6789
Languages: English
Document Type: Article
Geographic Location: United States
Describes how investigators at the United Parcel Service in San Antonio, TX are probing complaints that a man attempted to [redacted]
Descriptors: *Online Systems; *Crime; *Electronic Shopping
Identifiers: CompuServe; United Parcel Service

038725 8229337
Smart terminals: new software and hardware to simplify data communication
Barden, William
Popular Computing, Aug 1982, v1 n10 p117-121, 4 pages ISSN: 0279-4721
Languages: English
Document Type: Article
Geographic Location: United States
Discusses intelligent terminal programs, and hardware (modems) that add extremely sophisticated communications to popular computers. Presents criteria for selecting the optimum combination of features for a particular application.
Descriptors: *Telecommunications; *Terminal; *Modem; *Consumer Information
Identifiers: Hayes Smartmodem; Hayes Microcomputer Products Inc.

038408 8227093
CDC's PLATO educational program to run on TI micro
InfoWorld, Jul 05 1982, v4 n26 p29, 1 page ISSN: 0199-6649
Languages: English
Document Type: Brief Note
Geographic Location: United States
Reports that Texas Instruments and Control Data Corp. have agreed to make the PLATO courseware available for the TI 99/4A home computer. Notes that the initial packages will be available in the fourth quarter of 1982.
Descriptors: *Education; *Computer Assisted Instruction; *Product Announcement; *TI 99/4A
Identifiers: PLATO; Control Data Corp.; Texas Instruments, Inc.

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038313   8226225
   Control Data and Texas Instruments join forces
   Educational Technology, Jul 1982, v22 n7 p4, 1 page   ISSN:
0013-1962
   Languages: English
   Document Type: Column
   Geographic Location: United States
   Reports that Control Data Corp. and Texas Instruments, Inc.
are joining forces to make PLATO computer courseware available
for the TI 99/4A home computer. The TI 99/4A now has access to
430 programs and 108 courseware packages.
   Descriptors:  *Software Publishing;  *Education;  *Computer
Assisted Instruction; *TI 99/4A
   Identifiers: PLATO; Control Data Corp.;  Texas Instruments,
Inc.


038269   8226049
   Source   database   service   offers   electronics   mail-order
catalog
   Desktop Computer,  Jul 1982,  v2 n7 p72,   1 page    ISSN:
0731-3616
   Languages: English
   Document Type: Brief Note
   Geographic Location: United States
   Reports that Comp-U-Star, an electronic shopping service on
The  Source,   is available to help consumers purchase quality
merchandise from 200 widely known manufacturers.  This service
gives buyers a form of automated comparison shopping.
   Descriptors:   *Online  Information;  *Electronic Shopping;
*Retailing
   Identifiers: Comp-U-Star; Comp-U-Card of America, Inc.


038267   8226041
   Prestel videotext service appearing at World's Fair
   Desktop  Computer,   Jul  1982,  v2 n7 p70,  1 page   ISSN:
0731-3616
   Languages: English
   Document Type: Article
   Geographic Location: United States
   Reports on the Prestel videotex service being  demonstrated
at  the  1982  World's Fair in Knoxville,  TN.  Notes that 200
Prestel terminals are connected to a central unit which uses a
Prestel Gateway unit to access other databases.
   Descriptors:   *Videotex;   *Electronic  Banking;   *Online
Information
   Identifiers: 1982 World's Fair;  BVT;  Financial Interstate
System; Bank-at-Home; Prestel


038169   8225161
   Choosing a modem
   Day, Michael
   Computel,   Jul  1982,   v4  n7  p122-123,  2 pages   ISSN:
0194-357X
   Languages: English
   Document Type: Column
   Geographic Location: United States
   TELECOMMUNICATIONS column discusses the different types  of
modems  that  are  available  on the market (acoustic coupler,
inductive coupler and direct  connect  modem).   Mentions  the
portability of the acoustic coupler and "auto answer" modems.
   Descriptors: *Modem; *Consumer Information; *Telecommunica-
tions


036009   8214477
   Let your computer do the shopping
   Personal Computing, May 1982, v6 n5 p146+,  2 pages   ISSN:
0192-5490
   Languages: English
   Document Type: Brief Note
   Geographic Location: United States
   Reports on the operation of the Comp-U-Star  database  that
is available on the CompuServe information utility. Notes that
users  can  select some 30,000 items which are supplied by 200
vendors and can be charged using a credit card.
   Descriptors: *Retailing;  *Online Information;  *Electronic
Shopping
   Identifiers: Comp-U-Star; CompuServe


035272   8209061
   Videotex - the coming revolution in home/office information
retrieval
   Personal Computing ,  Apr 1982 ,  v6 n4 p118-123 ,  3 pages
ISSN: 0192-5490
   Languages: English
   Document Type: Book Review
   Geographic Location: United States
   A favorable review of a book by Efrem Sigel about  videotex
which  can provide the display of textual information,  words,
numbers and simple diagrams on television sets.  Review  notes
the book gives a brief history and potential uses.
   Descriptors: *Book Review; *Videotex; *Home; *Teletext
   Identifiers: Prestel; Knowledge Industry Publications
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035141    8208049
    The [redacted] learning activities for home and school
    [redacted]
    Computing  Teacher [redacted],  v9 n8 p39-40 ,  2 pages
ISSN: 0278-9175
    Languages: English
    Document Type: Book Review
    Geographic Location: United States
    Presents a favorable review of a book  by  Gary  Orwin  and
William  Hodges  which assists educators and parents to create
their CAI programs.  Includes 25 programs written for Apple II
and instructions for TRS-80 and PET use.
    Descriptors:  *Book Review;  *Apple II;  *Computer Assisted
Instruction; *Programming Instruction
    Identifiers: Winthrop Publishers


032096    8201191
    Videotext: the coming revolution in home/office information
retrieval
    Robertson, Nancy
    80  Microcomputing   .   Jan  1982  .  n25 p36-37 .  2 pages
ISSN: 0199-6789
    Languages: English
    Document Type: Book Review
    Geographic Location: United States
    A favorable review for a book by  Efrem  Sigel  and  others
which  is  addressed  to  business  readers  interested in the
videotex field.  Topics covered include:  CEEFAX,  Prestel and
other systems to give a comprehensive overview of videotex.
    Descriptors: *Book Review; *Videotex; *Home; *Business
    Identifiers: Knowledge Industry Publications, Inc.


030423    8148053
    Future is now
    Hald, Alan; Ross, Julie
    Personal Computing , Dec 1981 ,  v5 n12 p19-23+  ,  5 pages
ISSN: 0192-5490
    Languages: English
    Document Type: Article
    Geographic Location: United States
    Discusses the future applications of personal computers  in
the  following  areas:   home,  education,  online information
networks, electronic watchdogs and telecommunications.
    Descriptors:    *Future;    *Home;    *Education;    *Online
Information; Telecommunications


030403    8148013
    Linking up for the future - microcomputers and satellites
    Busch, David
    Interface  Age   .   Dec  1981 ,  v6 n12 p68-70+  ,  4 pages
ISSN: 0147-2992
    Languages: English
    Document Type: Article
    Geographic Location: United States
    Discusses  the  future  of  microcomputers  and  satellites.
Includes  some  comments  on  how businesses can use satellite
technology to connect offices in an employee's home  with  the
company office.
    Descriptors: *Telecommunications; *Business; *Networks


030228    8146097
    Build a touch tone decoder for remote control
    Ciarcia, Steve
    BYTE   ,   Dec  1981  ,   v6 n12 p42-70 ,  20 pages    ISSN:
0360-5280
    Languages: English
    Document Type: Column
    Geographic Location: United States
    Describes how to build a small,  portable terminal that can
be  used  to  access  a  computer equipped with an auto answer
modem to get a report on  the  conditions  of  a  computerized
home-control system. Includes diagrams and photos.
    Descriptors:  *Hardware Construction;  *Telecommunications;
*Home; *Control; Telephone; Terminal
    Identifiers: DTMF Signaling


029591    8140219
    Around the world with Videotext
    Urrows, Henry; Urrows, Elizabeth
    Kilobaud  Microcomputing   ,  Nov 1981  ,  v5 n11 p84-93 ,  8
pages    ISSN: 0192-4575
    Languages: English
    Document Type: Article
    Geographic Location: United States
    Reviews the videotex  systems  underdevelopment  in  Japan,
England,   France,   Canada,   Switzerland  and  West Germany.
Includes nine color screen photos from  videotex  systems  and
mentions: Prestel, Ceefax, Oracle, Antiope, Telidon, Captain.
    Descriptors: *Videotex;  *Color Graphics;  *Online Systems;
*Home; Teletext
    Identifiers: Telidon;  Antiope;  Prestel;  Oracle;  CEEFAX;
KMOX; KNXT; CAPTAIN
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S08072 78S8072-0

Mother-Child Conversation and Academic Skill

Allen, Donald E.; Guy, Rebecca F.; Howsden, Jackie Lea

Oklahoma State U, Stillwater 74074 & Memphis State U, TN 38111

Series: ISA 1978 1665

Abstract: The relationship was analyzed between mother-child conversation for kindergarten children & each child's measured performance in academic skills at the end of the first grade in school. The sample of 128 first-born kindergarten children were recorded talking alone to the mother, at home, at the family dining table. The sample was evenly divided between black & white children, & by sex of child. One year later, 115 of these children were located & administered short standard tests in reading, arithmetic, & writing; the first-grade teacher rated each child on class participation, in terms of neatness, industry, cooperation, & other facets of behavior. The 115 conversations were transcribed to computer data cards verbatim, with codes to identify the conversational dyad, the speaker, & the type of verbal output. A computer program extracted & ordered the dictionary from each dyad, by actor. These data, together with the academic performance scores were entered on computer cards for correlation & regression analysis. The academic tests correlated positively among themselves, & showed the highest correlation with the total dictionary (adding the child's dictionary to that of the mother). Regression analysis made the relationship more apparent. There is a definite, consistent, positive relation between size of dictionary in mother-child conversation & subsequent academic performance by the child. Since mother-child talk has measurable effects on the child's subsequent academic skill levels, it seems practical to make mothers aware of the importance of their verbal interaction with their children for the child's mental development & academic success.

Descriptors: CHILD; EDUCATION; MOTHER; CONVERSE; COGNITION

Index Phrase: child's academic skills, mother-child conversation impact; blacks vs whites, boys vs girls, verbal interaction lexicon size impact;

L09611 82L9611-0

The Home Observation Assessment Method (HOAM): Real-Time Naturalistic Observation of Families in Their Homes

Steinglass, Peter

Center Family Research School Medicine George Washington U, Washington DC 20052

Family Process-1979, 18, 3, Sept, 337-354. CODEN: FAPRA

Area/Section: 0104 LANGUAGE: English

Doc Type: Abstract of Journal Article

Abstract: The Home Observation Assessment Method (HOAM) is a new method developed to carry out objective coding of family interaction over extended time periods in a home setting. It is a computer-compatible coding system that permits on-line data reduction of interactional variables emphasizing contextual & structural dimensions of family behavior. To date, the HOAM has been applied to the study of 31 families observed for a SIGMA of 250+ sessions. Initial analysis of data from these sessions indicates that coder reliability is high & that the HOAM successfully measures dimensions of family behavior independent of architectural aspects of the home setting. Preliminary findings also indicate that although families differ dramatically along the interactional dimensions measured by the HOAM, all families studied spent remarkably little time in decision-making behavior, suggesting that behavior in the home is predominantly ''maintenance-oriented.'' 5 Tables, 3 Figures. HA

Descriptors: Home -s; Observation -s, -al, -ability, -able; Assess -es, -ment, -ments, -ing; Method -s (see also Methodology); Family -ies; Behavior -al

Index Phrase: Home Observation Assessment Method; family behavior contextual/structural dimensions

Section Headings: METHODOLOGY & RESEARCH TECHNOLOGY::RESEARCH TECHNOLOGY

L04463 81L4463-0

Mnogoaspektnyi analyiz beznadsornosti i prestupnosti nesovershennoletnikh s pomoshch'yuA Multi-Aspectual Analysis of Juvenile Delinquency and Crime with the Aid of the Computer

Randalu, Kh. A.; Vykhandu, L. K.

Sovetskoye Gosurdarstvo i Pravo-1975, 49, 7, July, 89-94. CODEN: SOTVA

Area/Section: 2151 LANGUAGE: Russianirundinianeto-

Doc Type: Abstract of Journal Article

Abstract: The socialist system lacks any generalized social base for crime; accordingly the genesis & dynamics of criminal acts must be explained in terms of the microenvironment of the perpetrator. Presented is an experiment in which personal data on juvenile delinquents of Estonia (1969-1973) are correlated with similar data for the teenage population as a whole. Factors considered include: sex, place of birth, length of current residence, state of health, smoker/nonsmoker, alcohol usage, early sexual relations, repetition of a year in school, school transfer, runaway from home, etc. On the basis of 29 features, the computer compiled r coefficients showing orphanage, lack of one or both parents, & alcoholism as the primary contributing factors. It is suggested that a criminological data bank be constructed for the entire USSR. 1 Table. M. Meeks

Descriptors: Delinquency, juvenile; Crime -s (see also Criminal); Union of Soviet Socialist Republics - USSR, (see also Russia, Soviet); Estonia -n, -ns;

Index Phrase: juvenile delinquency; orphanage, lack of parent(s), alcoholism; experiment; Estonian teenagers, 1969-1973; USSR criminological data bank need

Section Headings: SOCIAL PROBLEMS AND SOCIAL WELFARE::DELINQUENCY

K08005 80K8005-0
The Automated Office
Vail, Hollis
Dept Interior, Washington DC
Futurist [The]-1978, 12, 2, Apr, 73-78. CODEN: FUTUA
Area/Section: 1734 LANGUAGE: English
Doc Type: Abstract of Journal Article

Abstract: Automation is about to revolutionize the office-freeing workers from rigid schedules, busywork, & the aggravations of commuting. Examples of how the telephone, computer, & speech compressor will change the nature of inter- & intra-office communication are given. New equipment will bring the office into the home. New attitudes toward work & the workplace may be even more important than new technology in determining how & where ''office work'' will be done, & will be affected by the new technology. Traditional concepts of office rooms, office space, & working hours may no longer apply. 4 Photographs, 2 Drawings. B. Hubinger

Descriptors: Business -es; Office; Automation -or, -ed
Index Phrase: business offices, automation; technology/description, workplace implications
Section Headings: SOCIOLOGY OF SCIENCE::SOCIOLOGY OF SCIENCE AND TECHNOLOGY

K06960 80K6960-0
Zur Theorie und Methodik von MehrebenenanalysenOn the Theory and Methodology of Multilevel Analyses
Eirmbter, Willy H.
U Trier, 5500 Federal Republic Germany
Kolner Zeitschrift fur Soziologie und Sozialpsychologie -1979, 31, 4, Dec, 709-731. CODEN: KZSSB
Area/Section: 0104 LANGUAGE: German/Pennsylvania G
Doc Type: Abstract of Journal Article

Abstract: Sociological theory & empirical research are joined in this analysis of the forms of multilevel analyses & the types of context effects involved in an ecological approach. The environment of the individual is seen to consist of six concentric dimensions spreading outward from family & home to neighborhood & peer groups, school, work place, subculture or district, major culture & country. Ecological & structural characteristics should be used in the operationalization of social contexts. Size of aggregate data to be used & selection of macrolevels will be determined by the research problem. A profile approach to the construction of environmental typologies is proposed. A multidimensional analysis of different geographic units (cluster analysis) is only possible via computer. A hierarchic cluster procedure is advocated, & an example presented which involves data on the educational aspirations of high school students analyzed by regional SE characteristics (supply, demand, educational ''density,'' Ur vs Ru, etc). 6 Tables, 3 Figures. S. Whittle

Descriptors: Sociological; Analysis -es, -zing; Ecology -gical, -gically, -ist, -ists; Multi- - Multiple; Level -s
Index Phrase: sociological analysis, multilevel ecological approach; context effects, methodology; hierarchic cluster procedure, educational aspirations/high school students
Section Headings: METHODOLOGY & RESEARCH TECHNOLOGY::RESEARCH TECHNOLOGY

J08968 79J8968-0
An Overview of the Privacy Issue in Criminal Justice: Trends in the United States and England
Terrill, Richard J.
Center Studies Criminal Justice St Cloud State U, Minneapolis MN 56301
Police Studies-1978, 1, 3, Sept, 42-50. CODEN: PSTU[illegible]
Area/Section: 1636 LANGUAGE: English
Doc Type: Abstract of Journal Article

Abstract: The issue of privacy has evoked considerable attention in both the US & England. Of particular concern is the development of large computerized information systems for use among criminal justice agencies. Recently, the governments of these two countries have addressed themselves specifically to this concern. LEAA (Law Enforcement Assistance Administration) issued rules & regulations for ''Criminal History Records'' & for ''Confidentiality of Identifiable Research & Statistical Information'' while the Home Office in England has issued two command papers entitled ''Computers and Privacy'' & ''Computers: Safeguards for Privacy.'' The purpose here was twofold: to trace briefly the historical development of the privacy issue through significant cases & scholarly articles & to identify the salient policy guidelines that appeared in these latest government publications. AA

Descriptors: England -ish, (see also Britain, Great Britain, UK); United States - US; Justice; Criminal -s, -ality, -ly (see also Crime); Privacy -ate; Social control -s;
Index Phrase: US, England, criminal justice, privacy issue; computerized information systems, government publications, policy guidelines
Section Headings: SOCIAL CONTROL::SOCIOLOGY OF LAW

J07542 79J7542-0

The Context of Technology

Morris, Bertram

U Colorado, Boulder 80302

Technology and Culture-1977, 18, 3, July, 395-418. CODEN: TECUA

Area/Section: 1734 LANGUAGE: English

Doc Type: Abstract of Journal Article

Abstract: To get technology in focus, ''primitive'' technology is contrasted with sophisticated, modern technology, & the two are considered in their respective contexts, the former being centered in myth, the latter in ideology. Primitive technology is regarded to be inextricably tied to mythology, as is abundantly documented by archeology, ethnology, linguistics, psychology, & history. The approach here focuses on ''surds'' (ie, the irrationals in nature & man) which serve as a threat & need to be reconstituted so that man may become at home in the world. Accordingly, the shaman & ritual employ mythopoeic language to transform alien nature into religious, social, & technological practices. The argument is developed in terms of: (1) ubiquity of myth, (2) its elements, & (3) the interrelations of myth & technology. A basic insistence is that the nonnaturalistic overlay on primitive technology is its Achilles' heel, which typically leads to a dissolute, fractured culture. Historically, modern technology rises with the Renaissance-its challenge to religion, its optimism of adventure, its discovery of new worlds & new literacy, the end of feudalism, & the emergence of the city-leading essentially to a secular, scientifically oriented society. The eventual result is today's sophisticated technology. Tools become machines; ''concrete science,'' in C. Levi-Strauss's description, becomes abstract, hypothetical-deductive, falsifiable science-producing the computer, the automated machine, & much more. The result is the technotronic age. Technotronics require massive economic support, an attendant ideology, in short, the corporate society in which the institutions of power, far removed from mythology & the shaman, become associated with special interests that may or may not coincide with public interest. The conclusion is that an authentic culture can come about only as surds are transformed into natural events, myths into art, history into an account of the contemporary human condition, & technology into an organ mediating science & industry, which rejects the spurious culture of ideology & affirms the genuine culture that espouses the philosophy of the common interests. AA

Descriptors: Technology -ical, -ically; Myth -s, -ic, -ical, -ification (see also Mythology); Culture -s, -al, -ally; Ideology -ies, -ical; Levi-Strauss, C.;

Index Phrase: primitive vs modern technology, contextual contrasts; myth, ideology, surds, culture, technotronics, philosophy of common interests

Section Headings: SOCIOLOGY OF SCIENCE::SOCIOLOGY OF SCIENCE AND TECHNOLOGY

J05281 78J5281-0

Einige Charakterzuge der modernen estnischen Literatur(Some Trends in Modern Estonian Literature)

Beermann, Rene
Instit Soviet East European Studies, U Glasgow England G12 8LQ
Ost-europa, 1977, 27, 5, May, 399-412. CODEN: osur-a
Deutsche Verlags-Anstalt, Neckarstr. 121, 7000 Stuttgart 1, Federal Republic of Germany
Area/Section: 1300/30 LANGUAGE: Ger

Abstract: In reading contemporary Estonian literature, one is impressed by the high standard of Estonian letters, particularly in short stories & short novels. Writers are inclined to venture into the ''no man's land'' of human existence, bordering with the nothing, perhaps influenced by Dostoevsky, Camus, or T. Mann. There is a sense of uncertainty, of the question -- what is it to be a man? One such writer is A. Valton. In one of his stories, a messenger comes to the city to proclaim an extremely important message. There is a passionate belief in the message & a keen desire to communicate, but there is no message. In another story, a lone wanderer is driven by his curiosity into a snare. Hungry & thirsty, he spends nights & days in the snare, & people come not to rescue him, but to film his desperate plight. Another unfortunate awakens in a mortuary. He is a corpse, & should lie still on his berth; but, ungrateful as all dead people, he leaves the mortuary & runs into the dark of the wintry night. Another writer, V. Vahing explains the interest in the ''no man's land.'' The hero in his short story, You (Sina) has the urge to gain insight of the beyond & the hereafter. He finds that this is an inherently human drive, intensified by his atheist upbringing. A similar motive sounds in the short novel God is not at home by R. Kaugver. The hero, an alcoholic writer, is cured of his affliction. He sees a little girl knocking at a church door, but unable to get in because nobody answers the knock. The little girl concludes, ''God is not at home.'' The writer feels that his God was the alcohol. Now cured & without the ecstasy of intoxication, he is also a mere shell like the empty church. The writer E. Vetemaa has produced a play, ''Again the Misfortune of Being Intelligent'' (reechoing the nineteenth century famous play Gore ot Uma, by A. S. Griboedov). A scientist has reached the pinnacles of biology: he can manipulate the genetic code, & is able to keep human heads & brains functioning after they have been severed from the body. His discovery is communicated to the authorities, who quickly decapitate the scientist to preserve his brain as the most perfect computer. After the horrors of decapitation, his head is now in a rather blissful state, like birds, who 'neither sew nor spin' & have no worry while all is provided for them. The vicissitudes of their troubled history may have made the Estonians particularly interested in the twilight of the borderland of the nothing or the beyond. Their sufferings, due to competing belief systems, may have induced other writers to take a closer look at their history. Modified AA

Descriptors: ESTONIA; LITERATURE; WRITING; LITERARY; CULTURE ; ART
Index Phrase: contemporary Estonian literature, trends; A. Valton, essential themes, examples, R. Kauger's God is not at home, historical concerns;

J04885 78J4885-0

A Matter of Life and Death: An Investigation into the Practice of Female Infanticide in the Arctic

Schrire, Carmel; Steiger, William Lee
State U New York, Binghamton 13901 & U Montreal, Quebec H3C 3J7
Man, 1974, 9, 2, June, 161-184. CODEN: manj-c
Royal Anthropological Institute, 36 Craven St., London WC2N 5NG, England
Area/Section: 0500/08

Abstract: Economics was at the base of the Eskimo practice of F infanticide. F children were regarded as unproductive consumers who did no hunting, & who left home to marry as soon as they reached a level of productivity. The reproductive histories of different polar societies were surveyed to assess the degree to which F infanticide was practiced, generally believed to be between 15 & 50%. A computer simulation model was created to examine the effect of varying degrees of F infanticide over a short duration. A hypothetical group of 408 Eskimos in a closed system was used. The results found that any practice of F infanticide beyond 8% would result in group extinction. The examined reproductive histories give evidence that in some areas a very high degree of F infanticide was practiced, however this could only have occurred for sporadic periods of short duration, because any infanticide rates over 8% would result in group extinction. 5 Graphs, 6 Tables. A. Rothman

Descriptors: ESKIMO; FEMALE; INFANTICIDE; CULTURE; SURVIVAL; REPRODUCTION; POPULATION
Index Phrase: Arctic Eskimos, female infanticide; economic considerations, computer simulation model, reproductive histories, group extinction risk, survival stress periods;

H08113 76H8113-0

Information Technology: Its Social Potential

Parker, Edwin B.; Dunn, Donald A.
Stanford U, CA 94305

Science, 1972, 176, 4042, Jun 30, 1392-1399. CODEN: scie-a
American Association for the Advancement of Science, 1515 Massachusetts Ave., N. W., Washington DC 20005
Area/Section: 2400/54

Abstract: The technologies of cable TV (especially 2-way cable TV), video cassettes, computer information systems, & communication satellites are now at a stage that could permit the creation of an 'information utility' for the purpose of fostering equal social opportunity in the US. The unit costs of public access to information could be reduced so much that the total expenditure on information services would probably increase substantially. In the same way that the automobile led to greatly increased expenditure on transportation, & the printing press led to greater expenditure on production & distribution of information, so the newly developing technology of information accessibility will have broad social effects. The greatest single potential of an information utility might be the opportunity to reduce the unit cost of education to the point where our society could afford to provide open & equal access to learning opportunities for all members throughout their lives. Total expenditures for education are unlikely to be reduced, but an information utility could make possible the provision of quality education at an economical rate to those not adequately served by the present educational system. The benefits of an information utility will not be attained quickly, or be guaranteed, unless there are major federal expenditures on the research & development needed for their accomplishment & some measure of coordinated planning & management of the overall system. An information utility could be made available to every Ur home & Ru community in the US by 1985. It would be built largely by private enterprise with private capital; federal planning, research, & development funds could provide the additional incentives to ensure that the needs of education & other public services are met. It would be designed to serve people directly. Before such a national goal could be adopted or have wide political appeal, the launching of a 1st 'Sputnik' would be required in the form of credible pilot projects demonstrating the technical & social feasibility of the larger goal. The National Academy of Engineering's committee on telecommunications recommends several pilot projects for demonstrating various portions of the information utility (COMMUNICATION TECHNOLOGY FOR URBAN IMPROVEMENT, Washington, DC: Committee on Telecommunications, National Academy of Engineering, 1971). In each of the communities used for pilot projects, funds will be needed for upgrading existing or proposed cable TV or telephone systems in order to provide sufficient broadband channel capacity & permit 2-way communication. The largest portion of the budget will be required for developing the most effective techniques for programming & delivering information over the new utility; these costs will be significantly greater than the cost of developing programs for a known technology, such as 1-way TV. The cost of developing new computer systems can also be expected to be substantial. It may be desirable to establish a new organization in HEW to oversee the educational uses to which the utility is put. The proposed National Institutes of Education (patterned after the National Institutes of Health) might be used for this purpose. If a start were made immediately on detailed technical, financial, legislative & management plans, it might be possible to have new authorizing legislation & appropriations for the fiscal year starting 1 Jul 1973. 1 Table, 3 Figures. Modified AA

Descriptors: EDUCATION; TECHNOLOGY; INFORMATION; COMMUNICATION
Index Phrase: technology of information communication;

H04951 75H4951-0

Careers Work and Leisure Among the New Professionals

Lansbury, Russell

Monash U, Clayton Victoria Australia

the Sociological Review, 1974, 22, 3, Aug, 385-400. CODEN: sorv-a

The University of Keele, Staffordshire ST5 5BG, England

Area/Section: 0800/42

Abstract: The research aimed to answer 3 main questions: (1) To what degree do specialist staff with various career orientations differentiate between their work & their leisure? (2) What are the underlying dimensions of leisure activities undertaken by specialist staff? & (3) What is the relative significance of work & leisure as central life interests? Various specialist staff employed within the management services department of a large British corporation were selected. Regarded as 'new professionals', they included computer technologists, operational researchers & industrial engineers. Interviews were conducted with approximately 70 staff & a questionnaire distributed to approximately 300 others. A response rate of around 80% was achieved. Specialist staff were divided into 3 categories: 'careerists', 'functionaries', & 'academics' on the basis of their career orientations. These categories cross occupational boundaries, although each tended to be drawn from one group rather than another. Careerists saw their future in their present specialist area but expected to move between organizations. Functionaries regarded their specialism mainly as a stepping stone to a general management position with their present employer. Academics saw their future within a research-oriented function either within or outside their present organization. The predominant pattern of leisure behavior among specialist staff was 'home-centred'. This particularly characterized older, more senior staff with a functionary orientation who regarded their work as distinctly separate from leisure. A 'social-participative' pattern of leisure characterized younger staff with a careerist orientation, who tended to keep their leisure moderately separate from work. An 'aesthetic' leisure pattern characterized staff with an academic orientation, 'who regarded their work & leisure as strongly interrelated'. Patterns of work & leisure are strongly influenced by career orientation. 7 Tables. AA

Descriptors: CAREER; LEISURE; SPECIALIST

Index Phrase: career & leisure among specialists;

H02081 75H2081-0

A Typological and Dimensional Study of a Sample of Prisoners

Sinclair, Ian; Chapman, Brenda

Instit Marital Studies Tavistock Instit Human Relations, London England & Research Officer Home Office Research Unit, Manchester England

British Journal of Criminology, 1973, 13, 4, Oct, 341-353. CODEN: bjcd-a

Area/Section: 1600/53

Abstract: A study to determine if previous research on typologies of prisoners in England is applicable to a less criminal group than those previously studied, ie, men in prison for the first or second time rather than highly recidivist groups. Concepts considered referred to the work of B. Marcus (see SA A3711), D. J. West (THE HABITUAL PRISONER, 1963), with their concepts of the 'inadequate,' drifter into crime, & the man who deliberately chooses crime as a 'profession'; & the theories of S.B.G. & H. J. Eysenck (see SA 0312/F2195), which predicted that prisoners should be more neurotic & extroverted than the general run of the population. 2 analyses were used, association analysis & component analysis. The sample contained 1,009 men, of whom 756 were serving their first sentence of imprisonment & 253 their second (primary recidivists). The analysis was concerned with 45 attributes always dichotomized before being fed into the computer. Dichotomies were formed by trying to make a 'natural split' & where this was compatible with the first criterion the one which came nearest to a 50/50 division. Typologies suggested by the analysis included: occasional delinquent, late delinquent, professional delinquent, aggressive delinquent, offenders with skilled employment, socially integrated unskilled offenders, & social inadequate. The component analysis provided 2 components which together accounted for 25% of the variance: the 1st component represented a dimension of Wc criminality corresponding to that found by Marcus, which indicated the high scorer to be young, not particularly intelligent, given to drink, violence, & committing offences with his mates, nominal Roman Catholic, of low occupational status, school truant record; the 2nd component described a social inadequacy dimension, S's are older, neurotic, introverted, with psychiatric history & poor contact with wife & family, spur of the moment offender, sometimes violent while drunk. Findings indicated the great difference between the older & younger prisoners. Hence, typologies of juvenile delinquents do not automatically apply to older offenders; younger prisoners are most usefully classified by their criminal behavior, & the older by their social circumstances; perhaps they also differ in the reasons for their criminality, & the treatment to which they will respond; differences in prisoner behavior were not strongly related on either extroversion or neuroticism; prisoners exhibit a dislike of authority combined with impulsive aggression, & social isolation & difficulty in forming relationships. 3 Tables, 1 Appendix. E. Loomis

Descriptors: PRISON; TYPOLOGY; BEHAVIOR; RECIDIVISM

Index Phrase: criminal behavior; recidivist vs first time offenders; prison inmates;

H00905 74H0905-0

British Radical M.P.s, 1874-1895: New Evidence From Discriminant Analysis

Heyck, T. W.; Klecka, William

Northwestern U, Evanston, Ill & U of Cincinnati, Ohio

Journal of Interdisciplinary History, 1973, 4, 2, Aut, 161-184. CODEN: jidh-b

Area/Section: 0900/25 COUNTRY: USA

Abstract: An effort is made to distinguish & define members of the Radical party in the House of Commons between 1874 & 1895. Radicals must first be identified before such generalities can be made. In addition to ''estimates by late-Victorian pol'al observers of the size of the Radical faction,'' & simple common usage by Victorians (Who was labeled a radical?), the votes of the represenatives in the House of Commons during these yrs were analyzed. A discriminant analysis of the data was used, along with a computer program (STPDIS) developed at Northwestern U. Several factors were included in the analysis including: (1) the division lists, (2) members of the House of Commons who were known as Radicals, (3) members who were not known as Radicals, & (4) issues known to have been important to Radicals. Conclusions drawn from the data indicate that there existed a signif diff between the pol of Radicals & the moderate members of the Liberal party. It is also clear that after 1886, many politicians who were once reluctant to be labeled as Radicals no longer felt this way. And, ''voting patterns show an increasing identity of Liberal with Radical.'' The revelations of the data are important because they signif'ly alter ''the view of an important period in Liberal party history & show that the impact of the Home Rule question was not to drive Radicalism from the party.'' 6 Tables, Appendix. J. Grimes

Descriptors: BRITAIN; POLITICS; LIBERAL; RADICAL

Index Phrase: British Radical party

H00610 74H0610-0

Delinquent (Approved School) and Non-Delinquent (Secondary-Modern School) Girls

Gilbert, June

Dept of Health & Soc Security, London, England

British Journal of Criminology, 1972, 12, 4, Oct, 325-356. CODEN: bjcd-a

Area/Section: 2100/51 COUNTRY: USA

Abstract: A study was mounted in 1960 of 400 girls aged 14-16, of whom 200 came from ''approved'' Sch's & 200 from secondary-modern Sch's in England to find out more about DEL'cy in girls. Multifactor computer analysis of the data was carried out. In the master predictive attribute analysis 75% of the non-DEL'ts & DEL's had their behavior predicted with just 3 factors which referred to the home environment. Separation from the mother, maternal discipline, & the relationship of the girl with her parents in general emerged as signif. R. K. Merton's theory of anomie is found useful in explaining DEL'cy in girls. The DEL girl's behavior may be seen as her ''short-run hedonistic innovation'' to replace a nuclear fam goal that she has not experienced, or does not expect to experience. The provision of preventive fam services is seen as a solution. 5 Figures. M. Maxfield

Descriptors: WOMAN; DELINQUENCY, JUVENILE

Index Phrase: Characteristics of delinquent girls

C03343 67C3343-0

COMPUTER EDITING OF SURVEY DATA-FIVE YEARS OF EXPERIENCE IN BLS MANPOWER SURVEYS

STUART, WALTER J.

FEDERAL HOME LOAN BANK

J. AMER. STATIST. ASSOC., 1966, 61, 314, PART 1, JUN, 375-383.

Area/Section: 0100/04

Descriptors: COMPUTER ; DATA ; SURVEY

Identifiers: EDITING SURVEY DATA COMPUTER

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EJ244307 IR509011
Microcomputers in Personal Information Systems.
Lundeen, Gerald
Special Libraries, v72 n2 p127-37 Apr 1981
Available from: Reprint: UMI
Language: English
Document Type: JOURNAL ARTICLE (080); REVIEW LITERATURE (070)

Examines the present and future capabilities of microcomputers for personal use, and discusses the requirements for such individualized systems, including software and hardware considerations. A glossary is provided, and 31 references are cited. (FM)

Descriptors: Bibliographies; Computer Programs; Computer Storage Devices; *Family Environment; *Information Systems; Merchandise Information; *Microcomputers

EJ228365 IR508251
PRESTEL and the Trend toward Personal Computers.
Boaz, Martha
Special Libraries, v71 n7 p310-14 Jul 1980
Available from: Reprint: UMI
Language: English
Document Type: JOURNAL ARTICLE (080); POSITION PAPER (120)

Describes current efforts to expand the scope and availability of personal computer services, with special reference to the British Post Office PRESTEL experiment in England. Author argues that the library profession should support similar efforts in the United States and study ways personal computers can serve the library community. (Author)

Descriptors: *Computers; *Family Environment; *Futures (of Society); *Information Services; Information Systems; Libraries; Library Role; *Online Systems
Identifiers: *PRESTEL

EJ216200 EC121852
Interfacing an Inexpensive Home Computer to the Videodisc: Educational Applications for the Hearing Impaired.
Galbraith, Gary; And Others
American Annals of the Deaf, (Educational Technology for the '80's) v124 n5 p536-41 Sep 1979
Available from: Reprint: UMI
Language: ENGLISH
Document Type: JOURNAL ARTICLE (080); CONFERENCE PAPER (150); PROJECT DESCRIPTION (141)

Originally part of a symposium on educational media for the deaf, the article describes the use of computer-assisted instruction to teach young deaf and multiply handicapped children. The microcomputer/videodisc interface is explained and the method of captioning the videodisc is discussed. Diagrams illustrate the process. (PHR)

Descriptors: *Captions; *Computer Assisted Instruction; Conferences; *Deafness; Early Childhood Education; Educational Media; *Educational Technology; *Hearing Impairments; Home Instruction; *Multiple Disabilities; Teaching Methods; Young Children

EJ148537 IR504150
Media Coordination for Extension Home Economists
Sammons, Carole C.
International Journal of Instructional Media, 4, 1, 65-70 76-1977
Language: ENGLISH

The University of Connecticut Cooperative Extension Service prepared a series of television programs on topics of interest to homemakers. The programs have been broadcast by commercial, closed circuit, and cable television systems, resulting in increased exposure to the Extension Service's programs. (JY)

Descriptors: *Educational Television; Extension Education; *Home Economics; Home Economics Education; *Home Instruction
Identifiers: University of Connecticut

EJ114646 JC500969
Using Technology to Serve Learning Needs of the Community
Bolvin, Boyd M.
New Directions for Community Colleges, 3, 1, 33-38 Spr 1975
Language: ENGLISH

Bellevue Community College (Washington) uses a touch-tone dial-access information-retrieval system to provide preprogrammed lessons, lectures, stereo music, current events, and other audio and video information in dial-access carrels on campus and via telephone in private homes. Future plans include the utilization of cable television for instructional purposes. (DC)

Descriptors: Cable Television; Computer Assisted Instruction ; *Dial Access Information Systems; Educational Technology; Handicapped Students; *Home Instruction; *Programed Instructional Materials; *Telephone Instruction; *Two Year Colleges
Identifiers: *Bellevue Community College WA

ED208891 IR009805

Home Information Systems: A Primer.

Moore, Robert C.

West Virginia Wesleyan Coll. Buckhannon, W. Va.

Jul 1981 38p.

EDRS Price - MF01/PC02 Plus Postage.

Language: English

Document Type: REVIEW LITERATURE (070); POSITION PAPER (120)

Geographic Source: U.S.; West Virginia

Journal Announcement: RIEMAR82

The evolution of online home information systems, the nature and function of such systems, and their potential for wide-scale use are discussed in detail. Different types of home information systems, including one- and two-way interactive television, are described, and the unique technological features of the teletext, viewdata, and videotext systems are reviewed. The state-of-the-art of each of these types of systems is outlined. A number of experimental commercial systems, among these Warner Amex's QUBE, AT&T's Viewtron, and CompuServes's Micronet, are briefly discussed. Some of the barriers to the immediate growth of interactive video-based information systems are mentioned, and the issues of control over the flow of information and preserving individual privacy are addressed. A table listing terms commonly used in the discussion of video-based information systems and two figures supplement the text. A 56-item bibliography is also provided. (JL)

Descriptors: *Broadcast Television; *Cable Television; Communications; *Family Environment; Information Networks; Information Retrieval; *Information Systems; Microcomputers; *Online Systems; *Telecommunications; Video Equipment

Identifiers: Home Information Systems; *Videotex

ED204016 PS012249

Working with Student Teachers to Produce a Television Program for Preschool Children and Their Parents.

Schilling, Deanna E.

Jul 1980 32p.; Paper presented at the World Assembly of the World Organization for Preschool Education (OMEP), (16th, Quebec City, Quebec, Canada, July 28-August 2, 1980).

EDRS Price - MF01/PC02 Plus Postage.

Language: English

Document Type: NON-CLASSROOM MATERIAL (055); PROJECT DESCRIPTION (141); CONFERENCE PAPER (150)

Geographic Source: U.S.; California

Journal Announcement: RIENOV81

Increasing interest in the concept of parents as educators of their children and the increasing availability to public groups of television air time make possible unique opportunities for teacher training. This paper describes the "Just for You" program, a television series for preschool children and their parents. The program is produced with the assistance of early childhood education teaching credential candidates who serve as on-camera teachers. While working with preschool children, these students model effective teaching strategies and provide rationales for the activities demonstrated. How the program began and developed is discussed. Evaluation, dissemination, and future goals are commented upon. Appendices A through M provide: (A) notes on producing a television show; (B) a guide for students on planning activities; (C) hints for teaching on-camera; (D) a format for a home instruction activity sheet; (E) a parent information sheet; (F) helpful hints to participating parents; (G) a program evaluation form for parents; (H) a form for the evaluation of child interest in program activities; (I) a job sheet; (J) a summary of parent responses to interviews by students; (K) additional comments by students about their experience; (L) a description of the television and educational programming courses; and (M) a bibliography. (Author/RH)

Descriptors: *Cable Television; *Educational Television; Instructional Materials; *Parent Education; *Preschool Children; Preschool Education; Program Descriptions; Program Development; Programing (Broadcast); *Teacher Education; *Teaching Methods; Television Teachers

ED181881 IR007903

The Spartanburg Interactive Cable Experiments in Home Education.

Lucas, William A.; And Others
Rand Corp., Santa Monica, Calif.
Feb 1979 165p.
Sponsoring Agency: National Science Foundation, Washington, D.C.
Report No.: Rand-R-2271-NSF
Contract No.: NSF-C-1022
EDRS Price - MF01/PC07 Plus Postage.
Language: English
Document Type: RESEARCH REPORT (143)
Geographic Source: U.S.; California
Journal Announcement: RIEJUN80

Two studies examined interactive cable technology as a potentially useful means of providing adult and continuing education outside conventional institutions. One set of experiments on the interactive cable system located in Spartanburg, South Carolina, was aimed at adults who had not completed their high school education; the other study, which substituted data terminals for telephone interaction, was aimed at parents interested in the principles of child development. These experiments were designed to determine whether sufficient numbers of students would be attracted to and enroll in courses that rely on home terminals, and if these students could use the system to make satisfactory educational progress. The studies also explored the continuing debate over the federal government's role in supporting and regulating interactive cable service. Results were positive for both cable interaction processes and educational effectiveness, and telephone interaction was found to be preferable to data terminal interaction. It is suggested that the recent and continuing removal of restraints on the growth of the cable industry may be sufficient to allow home cable education to prosper. (Author/CMV)

Descriptors: *Adult Education; *Cable Television; Delivery Systems; Diffusion; Federal Regulation; *Home Instruction; *Interaction; Man Machine Systems; Marketing; Questionnaires; *Television Research

ED135371 IR004477

Moving from Two-Way Cable Technology to Educational Interaction.

Lucas, William A.
Rand Corp., Santa Monica, Calif.
Aug 1976 13p.; Paper presented at the National Telecommunications Conference (Dallas, Texas, November 29 - December 1, 1976)
Report No.: P-5704
EDRS Price - MF01/PC01 Plus Postage.
Language: ENGLISH
Document Type: RESEARCH REPORT (143)
Journal Announcement: RIEJUL77

This paper deals with the use of two-way interactive cable television for adult education in Spartanburg, South Carolina. To make home data terminals both reliable and simple, a light remote handset was designed to connect to a basic modem that could be stored under a television set. The system could be operated in three modes by the television teacher: a formal mode for asking formal questions and recording the responses; an informal mode for asking casual questions; and a student-initiated mode which delivered one of eight pre-determined messages to the teacher. The results of the program are encouraging, and there is evidence that students felt that their teachers cared about their progress in a personal and individual way. (WBC)

Descriptors: *Adult Education; *Adult Programs; *Cable Television; High School Equivalency Programs; *Home Instruction; Home Study; Innovation; *Man Machine Systems; *Program Development; Television Curriculum; Television Teachers

Identifiers: Spartanburg Technical College SC

ED122790 IR003407

Impact on Adults of Dramatized Television Programs.

Gorney, Roderic; And Others

California Univ., Los Angeles. Dept. of Psychiatry.

1976 15p.; For related documents, see IR 003 271 and IR 003 408-409

Sponsoring Agency: Lilly Endowment, Inc., Indianapolis, Ind.

EDRS Price - MF01/PC01 Plus Postage.

Language: ENGLISH

Document Type: BOOK (010)

Journal Announcement: RIESEP76

Psychosocial adaptations are sometimes affected by experiences that are ordinarily considered to be amusements. In 1974, a field study was undertaken by the Program on Psychosocial Adaptation and the Future to determine if it is possible to measure the effect of television on adult viewers. A sample of 260 couples, controlled for demographic characteristics and attitudes, was divided into five groups; each group was assigned to watch one of five diets of television programing: (1) high in helpful content; (2) high in hurtful content; (3) neutral; (4) mixed; and (5) self-selected. After 20 hours of viewing, subjects were given mood adjective checklist tests. Results suggest that some types of emotionally arousing programing may decrease aggressive manifestations. Results for hurtful programing were not conclusive. A tabular summary of the data is provided. (EMH)

Descriptors: Adults; Aggression; Behavioral Science Research ; Behavior Development; Cable Television; Commercial Television; Emotional Adjustment; Family Environment; Field Studies; Mass Media; Programing (Broadcast); Research Methodology; Social Attitudes; *Social Behavior; *Social Development; *Socialization; Television; *Television Research; *Television Viewing

Identifiers: *Program on Psychosocial Adaptation and the Future

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ED110052 IR002339

How Now Brown Cow? The Texas Educational Telecommunications Study.

Educational Development Corp., Austin, Tex.

1975 323p.

Sponsoring Agency: Texas Education Agency, Austin.

EDRS Price - MF01/PC13 Plus Postage.

Language: ENGLISH

Document Type: BOOK (010)

Journal Announcement: RIEDEC75

The Texas Educational Telecommunications Study examined problems and solutions involved in providing telecommunication support to education for the state of Texas. Extensive analyses were made in order to (1) delineate the objective that a telecommunications system should meet, (2) establish criteria that would be satisfied, (3) survey Texas problems and needs, (4) compile a statistical analysis of the results, (5) examine the existing networks and systems in Texas, (6) identify and describe successful systems in other states, (7) pinpoint factors effecting the availability and scarcity of software, and (8) propose hypotheses regarding the structures of educational technology and telecommunications 10 to 20 years hence. Among the conclusions of the study were: education would best be served by the expansion of an already extensive cable television network to almost all school campuses, the same network can provide narrowband channels for data transfer and computer-assisted instruction, such a combination could provide the greatest opportunity and flexibility for the least cost, and all programs of the Instructional Resources System would be serviced by the system. The recommendations stress that every effort should be made to expand the use of electronic technologies in the educational process. (SM)

Descriptors: Cable Television; Closed Circuit Television; Communications Satellites; Computers; *Educational Needs; Educational Radio; *Educational Technology; Educational Television; Home Study; Libraries; Public Television; *State Surveys; *Statewide Planning; *Telecommunications; Videotape Recordings

Identifiers: Data Transmission; *Texas; Two Way Television

ED108666 IR002192

Home and School as Longer-Term Alternative Sites for Interactive Instruction.

Follettie, Joseph F.

Southwest Regional Laboratory for Educational Research and Development, Los Alamitos, Calif.

27 Jul 1972 11p.

Report No.: SWRL-TN-2-72-31

EDRS Price - MF01/PC01 Plus Postage.

Language: ENGLISH

Document Type: PROJECT DESCRIPTION (141)

Journal Announcement: RIENOV75

Positive and negative implications of the eventuality that American homes will be equipped to provide interactive instruction in the home well before the end of the century are discussed, together with the limitations appropriate to such instruction. Home and rural schools are compared as potential sites for purposes of longer-term planning with reference to interactive instruction. (Author)

Descriptors: Autoinstructional Aids; Cable Television; Computer Assisted Instruction; Computers; *Cost Effectiveness; Costs; Educational Television; Electronic Equipment; *Futures (of Society); *Home Instruction; Individualized Instruction; Interaction; Man Machine Systems; *Programed Instruction; *Social Values; Teaching; Teaching Methods; Television; Values

ED103023 IR001713

Social Service Delivery Via Cable Television: Foster Parent Training. A Field Experiment, Cost Analysis, Network Design, Implementation Alternatives and Related Policy Issues. Final Report.

Baldwin, Thomas F.; And Others

Michigan State Univ., East Lansing. Coll. of Communication Arts.; Michigan State Univ., East Lansing. Coll. of Engineering.

Dec 1974 263p.; Best copy available

Sponsoring Agency: National Science Foundation, Washington, D.C. RANN Program.

EDRS Price - MF01/PC11 Plus Postage.

Language: ENGLISH

Document Type: RESEARCH REPORT (143)

Journal Announcement: RIEJUL75

The project described consisted of a field experiment in the delivery of a social service by means of a commercially-operated cable television system. A five-program series was developed and produced which provided foster-parent training leading to the licensing of prospective foster parents. Some 64 volunteers began the training program. Half the participants were asked to watch the training programs in their own homes; the remainder were asked to assemble in small groups in "host homes" for viewing purposes. Based upon the field test, a series of alternative scenarios for continued use of such delivery systems are described. Cost analyses for each together with some policy implications are presented. (Author/DGC)

Descriptors: Attitude Change; Behavior Change; *Cable Television; *Cost Effectiveness; *Delivery Systems; Experimental Programs; Field Studies; Foster Family; Foster Homes; Group Instruction; Home Study; Individual Instruction; Parent Education; Policy Formation; Research Projects; *Social Services; *Television Research; Television Viewing

Identifiers: Policy Analysis

ED102755 95 EC071335

Emerging Auditory Systems: Implications for Instructing Handicapped Children. Auditory Learning Monograph Series 7.

Anderson, William A.

Consortium on Auditory Learning Materials for the Handicapped, East Lansing, Mich.

Jul 1974 16p.; For related documents see ED 100 077, 100 081, and EC 071 329-339

Sponsoring Agency: Bureau of Education for the Handicapped (DHEW/OE), Washington, D.C.

EDRS Price - MF01/PC01 Plus Postage.

Language: ENGLISH

Document Type: BOOK (010)

Journal Announcement: RIEJUL75

Four auditory delivery systems and their implications for instructing handicapped children are discussed. Outlined are six potential benefits of applying technologies to education, such as making education more productive. Pointed out are potential uses of sub-channel radio (such as programming for the blind), of broadband communication (such as home instruction through cable television), of telephone communication (such as a link to computer assisted instruction) and of rate-altered recordings (such as in individualized aural instruction). Also noted are advantages of each system, usually related to access and cost. (LS)

Descriptors: *Aural Learning; *Communications; *Delivery Systems; Educational Technology; Educational Television; Exceptional Child Education; *Handicapped Children; Mass Media ; Speech Compression; Telephone Communications Systems; Telephone Instruction

ED100301 95 IR001377

Evaluation of the Market for Instructional Television and the Effects of Changes in the Communications Industry. Delivery Systems. Final Report. Volume 2.

Mathematica, Princeton, N.J.

Dec 1973 246p.; For a related document see Volume I, IR 001 376

Sponsoring Agency: Office of Telecommunications Policy, Washington, D.C.

EDRS Price - MF01/PC10 Plus Postage.

Language: ENGLISH

Document Type: RESEARCH REPORT (143)

Journal Announcement: RIEMAY75

A study was prepared for the Department of Health, Education, and Welfare (DHEW) on the role DHEW could play in the implementation of instructional television. This volume of the study provides a detailed description of alternative delivery systems. It analyzes the different technical capabilities and component costs of a variety of distribution system configurations including cable television, pay television, closed-circuit television, video disc, video tape, UHF broadcasts, microwave systems, satellite systems, and computer-assisted instruction systems. A basis for cost comparison is then described. The report notes that while costs for procurement and distribution of program materials or services may be computed, means of obtaining revenue to support the distribution process often vary considerably. Moreover, those means of support are not fixed; one delivery system may depend on a combination of resources, whereas another system of the same type may be financed by a single method. Finally, the report notes that though the technology described exists, much of it has not gone beyond the demonstration stage. As a result, the most practical cash flow procedures have yet to be determined. (DC)

Descriptors: Adult Education; Cable Television; Closed Circuit Television; Communications; Communications Satellites; Computer Assisted Instruction; *Cost Effectiveness; *Delivery Systems; Economic Factors; *Educational Demand; *Educational Television; Financial Support; Home Instruction; *Marketing; Secondary Schools; Supplementary Education; Telecommunications ; Video Equipment; Videotape Cassettes; Videotape Recordings

Identifiers: Department of Health Education and Welfare; Pay Television; PLATO IV

ED100300 95 IR001376

Evaluation of the Market for Instructional Television and the Effects of Changes in the Communications Industry. Current and Potential Use of ITV. Final Report. Volume 1.

Mathematica, Princeton, N.J.

Dec 1973 152p.; For a related document see Volume II, IR 001 377

Sponsoring Agency: Office of Telecommunications Policy, Washington, D.C.

EDRS Price - MF01/PC07 Plus Postage.

Language: ENGLISH

Document Type: RESEARCH REPORT (143)

Journal Announcement: RIEMAY75

Assuming that new developments in communications technology will result in reduced costs for social service delivery, the Department of Health, Education and Welfare needed information about the role it could play in implementing instructional television (ITV). A study was designed to assess general educational programing costs and the potential market for ITV in the future. Although many secondary school educators have acclaimed it as a very important innovation, ITV has not received the utilization originally anticipated. This has been primarily due to limited money and staff for it within schools and among producers of ITV equipment and materials. The role of ITV in secondary schools is expected to remain limited in the near future. However, it has an important role to play in the home where real incentives exist for home purchase of video-delivered education, especially in continuing and adult education. The potential market of ITV in the home appears to be both broad and deep. Success in attempts at implementation will depend upon the extent of coordination achieved among educators in a research, advisory, and evaluative role; producers in a creative and distributive role; and institutions in an accrediting and certification role. A number of recommendations for implementation are set forth. (DC)

Descriptors: Adult Education; *Cable Television; Communications; Copyrights; Costs; Economic Factors; Educational Demand; *Educational Television; Enrollment Projections; Financial Support; *Futures (of Society); Home Instruction; Home Study; *Marketing; Secondary Schools; State of the Art Reviews; Supplementary Education; *Telecommunications

Identifiers: *Department of Health Education and Welfare; Pay Television; PLATO IV

ED066873 EM010142

Cable Communications in the Dayton Miami Valley: Basic Report.

Johnson, Leland L.; And Others

Rand Corp., Santa Monica, Calif.

Jan 1972 544p.

Sponsoring Agency: Charles F. Kettering Foundation, Dayton, Ohio.; Ford Foundation, New York, N.Y.

Report No.: R-943 KF/FF

Available from: Communications Department, The Rand Corporation, 1700 Main Street, Santa Monica, California 90406 ($5.00)

EDRS Price - MF02 Plus Postage. PC Not Available from EDRS.

Language: ENGLISH

Journal Announcement: RIEJAN73

The report is a ten-part study of prospects for cable television (CATV) in the 13 communities that make up metropolitan Dayton, Ohio. The first three parts deal with the technology and economics of CATV. The next five deal with services that could be provided via CATV. Part seven describes how CATV could be useful for elementary and secondary school needs, and points out that an additional cable could be added to the proposed system for the exclusive use of Dayton schools at a relatively low additional cost. Part eight describes how CATV could provide flexible and convenient continuing education for Dayton doctors. The final two parts of the report deal with issues of franchising and ownership of CATV systems. On the basis of these studies the report recommends development of a network of six interconnected CATV systems, providing 20-40 video channels from the headend to subscriber locations, plus two or three video channels in the reverse direction to permit remote program origination and to provide capacity for future two-way communication services. (MG)

Descriptors: *Cable Television; Communications; Computers; Costs; Educational Television; Home Instruction; Information Systems; Medical Education; *Online Systems; Telecommunications

Identifiers: *Broadband Cable Teleservices; Ohio (Dayton Miami Valley); Wired City

ED066871 EM010131

Cable Communications in the Dayton Miami Valley: Summary Report.

Johnson, Leland L.

Rand Corp., Santa Monica, Calif.

Jan 1972 56p.

Sponsoring Agency: Charles F. Kettering Foundation, Dayton, Ohio.; Ford Foundation, New York, N.Y.

Report No.: R-942 KF/FF

Available from: Communications Department, The Rand Corporation, 1700 Main Street, Santa Monica, California 90406

EDRS Price - MF01/PC03 Plus Postage.

Language: ENGLISH

Journal Announcement: RIEJAN73

The report summarizes a ten-part study of prospects for cable television (CATV) in the 13 communities that make up the metropolitan area of Dayton, Ohio. The report, written in non-technical language, deals with the economics and technology of CATV, the range of new services that might be provided via CATV, and questions of franchising and ownership of CATV systems. On the basis of these considerations and a ten-year financial projection, the report recommends construction of an interconnected network of six cable systems. The basic system consists of a dual cable plant providing about 40 video channels from the headend to subscriber locations, plus two or three video channels in the reverse direction to permit remote program originations and to provide capacity to handle facsimile mail, data storage and retrieval, viewer interrogation and response, and other services that may be perfected within 5-10 years. For the large number of "general" viewers the report recommends access to ten channels on each of the two cables. For "special interest" viewers another 20 channels would be provided via set-top converters. (MG/Author)

Descriptors: *Cable Television; Communications; Computers; Costs; Facsimile Transmission; *Feasibility Studies; Home Instruction; Home Programs; *Information Systems; *Online Systems; Telecommunications

Identifiers: Broadband Cable Teleservices; Ohio (Dayton Miami Valley); Wired City

ED066035 EM010122

Revolutionizing Home Communications; New Techniques for Using Computers with Cable Television.

Mason, William F.; Polk, Sidney

Mitre Corp., McLean, Va.

Mar 1972 27p.; Paper presented at the IEEE INTERCON (March 20-23, 1972)

Report No.: M-72-38

EDRS Price - MF01/PC02 Plus Postage.

Language: ENGLISH

Journal Announcement: RIEDEC72

The MITRE Corporation has been experimenting with a system called Time-Shared Interactive Computer-Controlled Information Television (TICCIT) to show that standard TV receivers, cable television (CATV), and computers can be used to provide low-cost in-the-home information services. In the experiments computer generated pictures were delivered to customers over CATV. The users communicated with the computer through 12-button push-button telephones, and received individualized messages on their TV screens by means of at-home videotape recorders (VTR). If a transmitted picture carried an address that matched the customer's address, the VTR recorded the message. Some of the services offered included a home calculator, tax filing assistance, library services, electronic mail, personalized job-finding and investment advice. Experiments indicated that TICCIT services may enable communications to reduce need for transportation. Barriers to introduction of the system include problems of privacy, marketability, and costs of programs. (MG)

Descriptors: *Cable Television; Communications; *Computers; *Costs; Home Instruction; Home Programs; Information Systems; *Online Systems; Telecommunications

Identifiers: *TICCIT Computer System; Wired City

ED062763# EM009742

Potential Market Demand for Two-Way Information Services to the Home, 1970-1990.

Baran, Paul

Institute for the Future, Menlo Park, Calif.

Dec 1971 131p.

Report No.: R-26

Available from: Institute for the Future, Riverview Center, Middletown, Connecticut 06457 ($4.00)

Document Not Available from EDRS.

Language: ENGLISH

Journal Announcement: RIESEP72

Two-way information services to the home may become a $20 billion per year industry by the end of the next decade; this report presents some market forecasts for thirty such home information services. The thirty possible home information services are grouped into six major categories: education, business, general information access, shopping facilitation, entertainment, and person-to-person communications. Services included in the education category are: computer aided school instruction, computer tutor, correspondence school, and adult evening courses on television. Computer aided school instruction is predicted to be the highest in computer value of service five years after introduction, while the education services market as a whole would be the largest single market category in terms of expected revenue, comprising 34.4% of all revenue. Appended computer printouts offer a compressed view of the forecasts for the thirty proposed systems. The predictions are made on the basis of a Delphic study. (JY)

Descriptors: *Business; *Cable Television; Computer Assisted Instruction; Correspondence Study; Home Study; *Telecommunications

Identifiers: Market Forecasts; *Two Way Information Services

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